AMENDMENT

In the Specification:

Please insert a new paragraph on page 1, beginning at line 4, immediately before the heading "BACKGROUND OF THE INVENTION", as follows:

--SUBMISSION ON COMPACT DISC

The content of the following submission on compact discs is incorporated herein by reference in its entirety: A compact disc copy of the Sequence Listing (CRF) (file name: 514572002000, date recorded: June 9, 2006, size: 184,320 bytes); a duplicate compact disc copy of the Sequence Listing (COPY 1) (file name: 514572002000, date recorded: June 9, 2006, size: 184,320 bytes); and a duplicate compact disc copy of the Sequence Listing (COPY 2) (file name: 514572002000, date recorded: June 9, 2006, size: 184,320 bytes). --

Please replace Table 1, beginning on page 6, with a new Table 1 as follows:

Table 1. Exemplary Influenza A Virus Primers

Id	Sequence	SEQ ID NO:
PMIA_00001	TTTGTGCGACAATGCTTCA	<u>1</u>
PMIA_00002	GACATTTGAGAAAGCTTGCC	<u>2</u>
PMIA_00003	AGGGACAACCTNGAACCTGG	<u>3</u>
PMIA_00004	AGGAGTTGAACCAAGACGCATT	<u>4</u>
PMIA_00005	ACCACATTCCCTTATACTGGAG	<u>5</u>
PMIA_00006	TTAGTCATCATCTTTCTCACAACA	<u>6</u>
PMIA_00007	ACAAATTGCTTCAAATGAGAAC	<u>7</u>
PMIA_00008	TGTCTCCGAAGAAATAAGATCC	<u>8</u>
PMIA_00009	GCGCAGAGACTTGAAGATGT	<u>9</u>
PMIA_00010	CCTTCCGTAGAAGGCCCT	<u>10</u>

Please replace Table 2, beginning on page 6 and bridging to page 7, with a new Table 2 as follows:

Table 2. Exemplary Influenza B Virus Primers

īđ		Seo id no.
PMIB_00001	CACAATGGCAGAATTTAGTGA	<u>11</u>
PMIB_00002	GTCAGTTTGATCCCGTAGTG	· <u>12</u>
PMIB_00003	CAGATCCCAGAGTGGACTCA	13
PMIB_00004	TGTATTACCCAAGGGTTGTTAC	14
PMIB_00005	GATCAGCATGACAGTAACAGGA	<u>15</u>
PMIB_00006	ATGTTCGGTAAAAGTCGTTTAT	. 16
PMIB_00007	CCACAGGGGAGATTCCAAAG	17
PMIB_00008	GACATTCTTCCTGATTCATAATC	18
PMIB_00009	CAAACAACGGTAGACCAATATA	19
PMIB_00010	AGGTTCAGTATCTATCACAGTCTT	20
PMIB_00011	ATGTCCAACATGGATATTGAC	21
PMIB_00012	GCTCTTCCTATAAATCGAATG	22
PMIB_00013	TGATCAAGTGATCGGAAGTAG	23
PMIB_00014	GATGGTCTGCTTAATTGGAA	24
PMIB_00015	ACAGAAGATGGAGAAGGCAA	25
PMIB_00016	ATTGTTTCTTTGGCCTGGAT	26

Please replace Table 3, beginning on page 7, with a new Table 3 as follows:

Table 3. Exemplary Human Metapneumovirus Primers

Id	Sequence	SEQ ID NO:
PMM_00001	CATCCCAAAAATTGCCAGAT	<u>27</u>
PMM_00002	TTTGGGCTTTGCCTTAAATG	28
PMM 00003	ACACCCTCATCATTGCAACA	<u>29</u>
PMM 00004	GCCCTTCTGACTGTGGTCTC	30

Id	\$equence	SEQ ID NO:
PMM_00005	CGACACAGCAGCAGGAATTA	31
PMM_00006	TCAAAGCTGCTTGACACTGG	32
PMM_00007	CAAGTGCGACATTGATGACC	<u>33</u>
PMM_00008	TAATTCCTGCTGCTGTGTCG	<u>34</u>
PMM_00009	GCGACTGTAGCACTTGACGA	<u>35</u>
PMM_000010	TCATGATCAGTCCCGCATAA	<u>36</u>
PMM_000011	TGTTTCAGGCCAATACACCA	<u>37</u>
PMM_000012	TCATGATCAGTCCCGCATAA	38
PMM_000013	TCATGGGTAATGAAGCAGCA	<u>39</u>
PMM_000014	GGAGTTTTCCCATCACTGGA	40
PMM_000015	TCCAGTGATGGGAAAACTCC	41
PMM_000016	TGTTGAGCTCCTTTGCCTTT	42

Please replace Table 4, beginning on page 7 and bridging to page 9, with a new Table 4 as follows:

Table 4. Exemplary Human Adenovirus Primers

Id	<u>ම්ල</u> ආගලල	SEQ ID NO:
PMAd1_00001	TGGCGGTATAGGGGTAACTG	<u>43</u>
PMAd1_00002	ATTGCGGTGATGGTTAAAGG	44
PMAd1_00003	TTTTGCCGATCCCACTTATC	<u>45</u>
PMAd1_00004	GCAAGTCTACCACGGCATTT	<u>46</u>
PMAd2_00001	CTCCGTTATCGCTCCATGTT	47
PMAd2_00002	AAGGACTGGTCGTTGGTGTC	<u>48</u>
PMAd2_00003	AAATGCCGTGGTAGATTTGC	<u>49</u>
PMAd2_00004	GTTGAAGGGGTTGACGTTGT	<u>50</u>
PMAd3_00001	TCCTCTGGATGGCATAGGAC	51

Id	Sequence	SEQ ID NO:
PMAd3_00002	TGTTGGTGTTAGTGGGCAAA	<u>52</u>
PMAd3_00003	ACATGGTCCTGCAAAGTTCC	<u>53</u>
PMAd3_00004	GCATTGTGCCACGTTGTATC	<u>54</u>
PMAd4_00001	CGCTTCGGAGTACCTCAGTC	<u>55</u>
PMAd4_00002	CTGCATCATTGGTGTCAACC	<u>56</u>
PMAd4_00003	GGCACCTTTTACCTCAACCA	<u>57</u>
PMAd4_00004	TCTGGACCAAGAACCAGTCC	<u>58</u>
PMAd5_00001	GGCCTACCCTGCTAACTTCC	<u>59</u>
PMAd5_00002	ATAAAGAAGGGTGGGCTCGT	<u>60</u>
PMAd5_00003	ATCGCAGTTGAATGCTGTTG	<u>61</u>
PMAd5_00004	GTTGAAGGGGTTGACGTTGT	62
PMAd7_00001	ACATGGTCCTGCAAAGTTCC	· <u>63</u>
PMAd7_00002	GATCGAACCCTGATCCAAGA	64
PMAd7_00003	AACACCAACCGAAGGAGATG	<u>65</u>
PMAd7_00004	CCTATGCCATCCAGAGGAAA	<u>66</u>
PMAd11_00001	CAGATGCTCGCCAACTACAA	<u>67</u>
PMAd11_00002	AGCCATGTAACCCACAAAGC	<u>68</u>
PMAd11_00003	ACGGACGTTATGTGCCTTTC	<u>69</u>
PMAd11_00004	GGGAATATTGGTTGCATTGG	· <u>70</u>
PMAd21_00001	ACTGGTTCCTGGTCCAGATG	71
PMAd21_00002	AGCCATGTAACCCACAAAGC	72
PMAd21_00003	CTGGATATGGCCAGCACTTT	73
PMAd21_00004	CACCTGAGGTTCTGGTTGGT	74

Id	<u> </u>	SIBQ ID NO:
PMAd23_00001	TAATGAAAAGGGCGGACAAG	<u>75</u>
PMAd23_00002	GCCAATGTAGTTTGGCCTGT	<u>76</u>
PMAd23_00003	AACTCCGCGGTAGACAGCTA	77
PMAd23_00004	CGTAGGTGTTGGTG	78

Please replace Table 5, beginning on page 9, with a new Table 5 as follows:

Table 5. Exemplary HCoV-OC229E Primers

Id	<u> පුවේගයාල</u> ව	SEQ ID NO:
PMV_a0053	TCACTTGCTTCCGTTGAGGTTGGGCTGGCGGTTTAGAGTTGA	79
PMV_a0054	GGTTTCGGATGTTACAGCGTGTGCGACCGCCCTTGTTTATGG	80
PMV_a0055	TCACTTGCTTCCGTTGAGGGCGTTGTTGGCCTTTTTCTTGTCT	<u>81</u>
PMV_a0056	GGTTTCGGATGTTACAGCGTGCCCGGCATTATTTCATTGTTCTG	82
PMV_a0057	TCACTTGCTTCCGTTGAGGACAAAAGCCGCTGGTGGTAAAG	83
PMV_a0058	GGTTTCGGATGTTACAGCGTCAGAAATCATAACGGGCAAACTCA	84
PMV_a0059	TCACTTGCTTCCGTTGAGGAAGAGTTATTGCTGGCGTTGTTGG	<u>85</u>
PMV_a0060	GGTTTCGGATGTTACAGCGTGCCCGGCATTATTTCATTGTTCTG	86
PMV_b0053	TTGGGCTGGCGGTTTAGAGTTGA	<u>87</u>
PMV_b0054	GTGCGACCGCCTTGTTTATGG	<u>88</u>
PMV_b0055	GCGTTGTTGGCCTTTTTCTTGTCT	<u>89</u>
PMV_b0056	GCCCGGCATTATTTCATTGTTCTG	<u>90</u>
PMV_b0057	ACAAAAGCCGCTGGTGAAAG	<u>91</u>
PMV_b0058	CAGAAATCATAACGGGCAAACTCA	<u>92</u>
PMV_b0059	AAGAGTTATTGCTGGCGTTGTTGG	93
PMV_b0060	GCCCGGCATTATTTCATTGTTCTG	94

Please replace Table 6, beginning on page 9 and bridging to page 10, with a new Table 6 as follows:

Table 6. Exemplary HCoV-OC43 Primers

Id	Sequence	SEQ ID NO:
PMV_a0061	TCACTTGCTTCCGTTGAGGTTGGGGTGATGGGTTTCAGATTA A	<u>95</u>
PMV_a0062	GGTTTCGGATGTTACAGCGTCTCGGGAAGATCGCCTTCTTCTA	<u>96</u>
PMV_b006	TTGGGGTGATGGGTTTCAGATTAA	97
PMV_b006	CTCGGGAAGATCGCCTTCTTCTA	<u>98</u> ·

Please replace Table 7, beginning on page 10 and bridging to page 11, with a new Table 7 as follows:

Table 7. Exemplary Influenza A Virus Probes

Id	Sequence	SEQ ID NO:
PBIA_00001	TTTAGAGCCTATGTGGATGGATTCRAACCGAACGGCTGCATTGAGGGCAAGCT TTCTCAAATGTC	99
PBIA_00002	ACAATTGAAGAAGATTTGAAATCACTGGAACCATGCGCAGGCTTGCCGACCA AAGTCTCCCACCGAACT	100
PBIA_00003	AGCAATNGAGGAGTGCCTGATTAANGATCCCTGGGTTTTGCTNAATGC	101
PBIA_00004	CCATACAGCCATGGAACAGGAACAGGATACACCATGGACACAGTCAACAGAAC ACANCAATATTCAGAAA	102
PBIA_00005	GGGCGGGGAGTCTTCGAGCTCTCNGACGAAAAGGCAACGAACCCGATCGTGCC	103
PBIA_00006	GATCTNGAGGCTCTCATGGAATGGCTAAAGACAAGACCAATCCTGTCACCTCT GACTAA	104

Please replace Table 8, beginning on page 11, with a new Table 8 as follows:

Table 8. Exemplary Influenza B Virus Probes

Id	<u>Sequence</u>	STRO IID NO:
PBIB_00001	GCTGGGAAATAGCATGGAACTGATGATATTCAGCTACAATCAAGACTATTCGT TAAGTAATGAATCCTCA	105
PBIB_00002	TCTGTTCCAGCTGGTTTCTCCAATTTTGAAGGAATGAGGAGCTACATAGACAA TATAGATCCTAAAGGAG	106
PBIB_00003	TTACAACCATGAGCTACCAGAAGTTCCATATAATGCCTTTCTTCTAATGTCTG ATGAATTGGGGCTGGCC	107
PBIB_00004	ACAAATAAGATCCAAATGAAATGGGGAATGGAAGCTAGAAGATGTCTGCTTCA ATCAATGCAACAAATGG	108
PBIB_00005	GAGGGAATGTATTCTGGAATAGANGAATGTATTAGTAACAACCCTTGGGTAAT ACAGAGTGCATACTGGT	109
PBIB_00006	CTACCGTGTTGGGAGTAGCCGCACTAGGTATCAAAAACATTGGAAACAAAGAA TACTTATGGGATGGACT	110
PBIB_00007	GGCTATGACTGAAAGAATAACCAGAGACAGCCCAATTTGGTTCCGGGATTTTT GTAGTATAGCACCGGTC	111
PBIB_00008	ACTGATCAGAGGAACATGATTCTTGAGGAACAATGCTACGCTAAGTGTTGCAA CCTTTTTGAGGCCTGTT	112
PBIB_00009	AAAATCCCTTTGTNGGACATTTGTCTATTGAGGGCATCAAAGANGCAGATATA ACCCCAGCACATGGTCC	113
PBIB_00010	CTTGGAATACAAGGGAATACAACTTAAAACAAATGCTGAAGACATAGGAACCA AAGGCCAAATGTGCTCA	114
PBIB_00011	GTGGCAGGAGCAACATCAGCTGAGTTCATAGAAATGCTACACTGCTTACAAGG TGAAAATTGGAGACAAA	115
PBIB_00012	GGAACCCATCCCCGGAAAGAGCAACCACAAGCAGTGAAGCTGATGTCGGAAGG AAAACCCAAAAGAAACA	116
PBIB_00013	CTGTTTCCAAAGATCAAAGGCACTAAAAAGAGTTGGACTTGACCCTTCATTAA TCAGTACCTTTGCAGGA	117
PBIB_00014	AGAGTTTTGTCTGCATTAACAGGCACAGAATTCAAGCCTAGATCAGCATTAAA ATGCAAGGGTTTCCATG	118
PBIB_00015	GAGGGACGTGATGCAGATGTCAAAGGAAATCTACTCAAGATGATGAATGA	119
PBIB_00016	CCTATCAGGAATGGGAACAACAGCAACAAAAAAGAAAGGCCTGATTCTAGCTG AGAGAAAAATGAGAAGA	120
PBIB_00017	GCAAGTCAAAAGAATGGGGAAGGAATTGCAAAGGATGTAATGGAAGTGCTAAA GCAGAGCTCTATGGGAA	121

Please replace Table 9, beginning on page 11 and bridging to page 12, with a new Table 9 as follows:

Table 9. Exemplary Human Metapneumovirus Probes

	2. Exemplary Truman Wetapheumovirus 1100es	
Id	Sequence	SEQ ID NO:
PBM_00001	AAAAGTGTATCACAGAAGTTTGTTCATTGAGTATGGCAAAGCATTAGGCTCAT CATCTACAGGCAGCAAA	122
PBM_00002	GAAAGTCTATTTGTTAATATATTCATGCAAGCTTATGGAGCCGGTCAAACAAT GCTAAGGTGGGGGGTCA	123
PBM_00003	ACGCTGTTGTGGGAGAATTCTGTATGCTAAACATGCTGATTACAAATATGC TGCAGAAATAGGAATAC	124
PBM_00004	TTAAGGAATCATCAGGTAATATCCCACAAAATCAGAGGCCCTCAGCACCAGAC ACACCCATAATCTTATT	125
PBM_00005	TGAGCAATCAAAGGAGTGCAACATCAACATATCCACTACAAATTACCCATGCA AAGTCAGCACAGGAAGA	126
PBM_00006	CTGTTCCATTGGCAGCAACAGAGTAGGGATCATCAAGCAGCTGAACAAAGGTT GCTCCTATATAACCAAC	127
PBM_00007	ACTTAATGACAGATGCTGAACTAGCCAGGGCCGTTTCTAACATGCCGACATCT GCAGGACAAATAAAATT	128
PBM_00008	AAAAAAAGGGAAACTATGCTTGCCTCTTAAGAGAAGACCAAGGGTGGTATTGT CAGAATGCAGGGTCAAC	129
PBM_00009	GAAAAGAACACCAGTTACAATACCAGCATTTATCAAATCGGTTTCTATCAA AGAGAGTGAATCAGCCA	<u>130</u>
PBM_00010	CAAATCAGTTGGCAAAAAAACACATGATCTGATCGCATTATGTGATTTATGG ATCTAGAAAAGAACACA	131
PBM_00011	CAGCTAAAGACACTGACTATAACTACTCTGTATGCTGCATCACAAAGTGGTCC AATACTAAAAGTGAATG	132
PBM_00012	AAAAGAACACCAGTTACAATACCAGCATTTATCAAATCGGTTTCTATCAAA GAGAGTGAATCAGCCAC	133
PBM_00013	CTATTATAGGAGAAAAGTGAACACTGTATCTGAAACATTGGAATTACCTACT ATCAGTAGACCCACCAA	134
PBM_00014	AAGTTAGCATGGACAGACAAAGGTGGGGCAATCAAAACTGAAGCAAAGCAAACAATCAAAGTTATGGATC	135
PBM_00015	CAGGAAAATACACAAAGTTGGAGAAAGATGCTCTAGACTTGCTTTCAGACAAT GAAGAAGAAGATGCAGA	136
PBM_00016	CTAATAGCAGACATAATAAAAGAAGCCAAGGGAAAAGCAGCAGAAATGATGGA AGAAGAAATGAACCAGC	<u>137</u>

Please replace Table 10, beginning on page 12 and bridging to page 13, with a new Table 10 as follows:

Table 10. Exemplary Human Adenovirus Probes

Id	Sequence	SON OIL QUE
PBAd_00001	CTGACACCTACCAAGGTATAAAATCAAACGGAAACGGTAATCCTCAAAACTGG ACCAAAAATGACGATTT	138
PBAd_00002	TCCTCTACTCCAACATTGCACTGTACCTGCCTGACAAGCTAAAATACACTCCT ACAAATGTGGAAATATC	139
PBAd_00003	GCTATCGGAGGCAGAGTACTAAAAAAAGACTACTCCCATGAAACCATGCTACGG ATCGTATGCCAGACCTA	140
PBAd_00004	AGTATTGTTTTGTACAGTGAGGATGTTAATATGGAAACTCCTGATACTCACAT TTCATACAAACCAAGCA	141
PBAd_00005	GGGAAACGATCTTAGAGTTGACGGGGCTAGCATTAAGTTTGACAGCATTTGTC TTTACGCCACCTTCTTC	142
PBAd_00006	TTGCCATTAAAAACCTCCTCCTCCTGCCAGGCTCATATACATATGAATGGAAC TTCAGGAAGGATGTTAA	143
PBAd_00007	TTGCAACACGTAATGAAATAGGAGTGGGTAACAACTTTGCCATGGAAATTAAC CTAAATGCCAACCTATG	144
PBAd_00008	TTGGGGTAACTGACACCTATCAAGCTATTAAGGCTAATGGCAATGGCTCAGGC GATAATGGAGATATTAC	145
PBAd_00009	AGGTATCAAGGCATTAAAGTTAAAACCGATGACGCTAATGGATGG	146
PBAd_00010	GAGAAGTTTTCTGTACTCCAATGTGGCTTTGTACCTTCCAGATGTTTACAAGT ACACGCCACCTAACATT	147
PBAd_00011	ATCAGTCATTTAACGACTACCTCTCTGCAGCTAACATGCTTTACCCCATTCCT GCCAATGCAACCAACAT	148
PBAd_00012	CTACTTCGTATATTCTGGATCTATTCCCTACCTGGATGGCACCTTTTACCTTA ACCACACTTTCAAGAAG	149
PBAd_00013	ACCTGCCAGTGGAAGGATGCTAACAGCAAAATGCATACCTTTGGGGTAGCTGC CATGCCAGGTGTTACTG	150
PBAd_00014	ATAGAAGCTGATGGGCTGCCTATTAGAATAGATTCAACTTCTGGAACTGACAC AGTAATTTATGCTGATA	151
PBAd_00015	TTGAAATTAAGCGCACCGTGGACGGCGAGGGGTACAACGTGGCCCAGTGCAAC ATGACCAAGGACTGGTT	152
PBAd_00016	CGGCAACGACCGGCTCCTGACGCCCAACGAGTTTGAAATTAAGCGCACCGTGG ACGGCGAGGGGTACAAC	153
PBAd_00017	CTCCAGTAACTTTATGTCCATGGGCGCACTCACAGACCTGGGCCAAAACCTTC	154

Id	Sequence	SEQ ID NO:
	TCTACGCCAACTCCGCC	
PBAd_00018	GCTAACTTCCCCTATCCGCTTATAGGCAAGACCGCAGTTGACAGCATTACCCA GAAAAAGTTTCTTTGCG	<u>155</u>
PBAd_00019	ACAGTCCTTCCAACGTAAAAATTTCTGATAACCCAAACACCTACGACTACATG AACAAGCGAGTGGTGGC	156
PBAd_00020	AAGATGAACTTCCAAATTACTGCTTTCCACTGGGAGGTGTGATTAATACAGAG ACTCTTACCAAGGTAAA	157
PBAd_00021	AGCTAACATGCTTTACCCCATCCCTGCCAATGCAACCAAC	158
PBAd_00022	TTCAACTCTTGAAGCCATGCTGCGCAACGATACCAATGATCAGTCATTCAACG ACTACCTCTGCAGCT	159
PBAd_00023	AGGCTGTGGACAGCTATGATCCCGATGTTCGTATTATTGAAAATCATGGCGTC GAGGATGAACTGCCTAA	160
PBAd_00024	TGAAATTGTGCTTTACACGGAAAATGTCAATTTGGAAACTCCAGACAGCCATG TGGTATACAAGCCAGGA	161
PBAd_00025	CATCGGCTATCAGGGCTTCTACATTCCAGAAGGATACAAAGATCGCATGTATT CATTTTTCAGAAACTTC	162
PBAd_00026	GCTGCTTCTCCCAGGCTCCTACACTTATGAGTGGAACTTTAGGAAGGA	163
PBAd_00027	ATGACACCAATGATCAGTCATTCAACGACTACCTATCTGCAGCTAACATGCTC TACCCCATTCCTGCCAA	164
PBAd_00028	CTTGCCAACTACAACATTGGATACCAGGGCTTCTACGTTCCTGAGGGTTACAA GGATCGCATGTACTCCT	165
PBAd_00029	GATCGCATGTACTCCTTCTTCAGAAACTTCCAGCCCATGAGTAGACAGGTGGT TGATGAGATTAACTACA	166
PBAd_00030	CCCCTAAGGGCGCTCCCAATACATCTCAGTGGATTGCTGAAGGCGTAAAAAAA GAAGATGGGGGATCTGA	167
PBAd_00031	AGAAAATGTAAATTTGGAAACTCCAGATTCCCATGTTGTTTACAAAGCAGGAA CTTCAGACGAAAGCTCT	168
PBAd_00032	TGTGGCTACCAATACTGTTTACCAAGGTGTTAAGTTACAAACTGGTCAAACTG ACAAATGGCAGAAAGAT	169
PBAd_00033	CCGAATTGGGAAGGGTAGCGTATTCGCCATGGAAATCAATC	170

ıd	Sequence	SEQ IID NO:
PBAd_00034	TTGATGAGGTCAATTACAAAGACTTCAAGGCCGTCGCCATACCCTACCAACAC AACAACTCTGGCTTTGT	<u>171</u>
PBAd_00035	TGACGAAGAGAAGAGAAAATCTCACCACTTACACTTTTGGAAATGCCCCAG TGAAAGCAGAAGGTGGT	<u>172</u>
PBAd_00036	AGAAGATTTTGACATTGACATGGCTTTCTTTGATTCCAACACTATTAACACAC CAGATGTTGTGCTGTAT	173

Please replace Table 11, beginning on page 13 and bridging to page 14, with a new Table 11 as follows:

Table 11. Exemplary HCoV-OC229E Probes

īd	<u>ම්ල</u> ොලෙ	SEQ ID NO:
PBS10049	AATGGGGTTATGTTGGTTCACTCTCCACTAATCACCATGCAATTTGTAATGTTCA TAGAAATGAGCATGT	174
PBS10050	GTGTATGACTGCTTTGTTAAGAATGTGGATTGGTCAATTACCTACC	175
PBS10051	TTGCATCTTCTTTTGTTGGTATGCCATCTTTTGTTGCATATGAAACAGCAAGACA AGAGTATGAAAATGC	176
PBS10052	AAATGGTTCCTCACCACAAATAATCAAACAATTGAAGAAGGCTATGAATGTTGCA AAAGCTGAGTTTGAC	177
PBS10053	CTGCTGCAGCTATGTACAAAGAAGCACGTGCTGTTAATAGAAAATCAAAAGTTGT TAGTGCCATGCATAG	178
PBS10054	ACGTTTGGACATGTCTAGTGTTGACACTATCCTTAATATGGCACGTAATGGTGTT GTCCCTCTTTCCGTT	<u>179</u>
PBS10055	CTGGTGGTAAAGTTTCATTTTCTGATGACGTTGAAGTAAAAGACATTGAACCTGT TTACAGAGTCAAGCT	<u>180</u>
PBS10056	TTTACAGAGTCAAGCTTTGCTTTGAGTTTGAAGATGAAAAACTTGTAGATGTTTG TGAAAAGGCAATTGG	181
PBS10057	GATGTTTGTGAAAAGGCAATTGGCAAGAAAATTAAACATGAAGGTGACTGGGATA GCTTTTGTAAGACTA	182
PBS10058	GCGTTGTTGGCCTTTTTCTTGTCTAAGCATAGTGATTTTGGTCTTGGTGATCTTG TCGATTCTTATTTTG	183

Id	<u>මුපම්බල</u> ෙන	SEQ ID NO:
PBS10059	AGCAAGACAAGAGTATGAAAATGCTGTTGCAAATGGTTCCTCACCACAAATAATC AAACAATTGAAGAAG	184
PBS10060	TTGAAGAAGCTATGAATGTTGCAAAAGCTGAGTTTGACAGGGAATCATCTGTTC AAAAGAAAATTAACA	<u>185</u>
PBS10061	CTGCTGCAGCTATGTACAAAGAAGCACGTGCTGTTAATAGAAAATCAAAAGTTGT TAGTGCCATGCATAG	186

Please replace Table 12, beginning on page 14, with a new Table 12 as follows:

Table 12. Exemplary HCoV-OC43 Probes

Id	Sequence	SEQ ID NO:
PBS10062	CTCACATCCTAGGAAGATGCATAGTTTTAGATGTTAAAGGTGTAGAAGAATTGCATGACGATTTAGTTA A	187
PBS10063	GGATTGGCCATTGCACCATAGCTCAACTCACGGATGCAGCACTGTCCATTAAGGAAAATGTTGATTTTA T	188
PBS10064	GCATGCAATTCAATTATAAAATCACCATCAACCCCTCATCACCGGCTAGACTTGAAATAGTTAAGCTCG G	189
PBS10065	ATAGTTAGTCACTGGATGGGAATTCGTTTTGAATACACATCACCCACTGATAAGCTAGCT	190

Please replace Table 13, beginning on page 23 and bridging to page 24, with a new Table 13 as follows:

Table 13. Exemplary SARS-CoV probes

probe_id	Sequence $5^{0}-3^{0}$	SEQ ID NO:	region
PBS00001	TTACCCTAATATGTTTATCACCCGCGAAGAAGCTATT CGTCACGTTCGTGCGTGGA	191	SARS-Cov Replicase 1B
PBS00002	CTGACAAGTATGTCCGCAATCTACAACACAGGCTCTA TGAGTGTCTCTATAGAAAT		SARS-Cov Replicase 1B
PBS00003	CATAACACTTGCTGTAACTTATCACACCGTTTCTACA GGTTAGCTAACGAGTGTGC	193	SARS-Cov Replicase 1B
PBS00004	TTACCCTAATATGTTTATCACCCGCGAAGAAGCTATT CGTCACGTTCGTG	194	SARS-Cov Replicase 1B
PBS00009	GCGTTCTCTTAAAGCTCCTGCCGTAGTGTCAGTATCA TCACCAGATGCTGTTACTACATATAATGGATAC	195	SARS-Cov Replicase 1A

br_edong	Sequence 5'-3'	SEQ ID NO:	region
PBS00010	CTTTGGCTGGCTCTTACAGAGATTGGTCCTATTCAGG ACAGCGTACAGAGTTAGGTGTTGAATTTCTTAA	196	SARS-Cov Replicase 1A
PBS00011	CTACGTAGTGAAGCTTTCGAGTACTACCATACTCTTG ATGAGAGTTTTCTTGGTAGGTACATGTCTGCTT	197	SARS-Cov Replicase 1A
PBS00012	TGCCAATTGGTTATGTGACACATGGTTTTAATCTTGA AGAGGCTGCGCGCTGTATGCGTTCTCTTAAAGC	198	SARS-Cov Replicase 1A
PBS00013	TATAAAGTTACCAAGGGAAAGCCCGTAAAAGGTGCTT GGAACATTGGACAACAGAGATCAGTTTTAACAC	199	SARS-Cov Replicase 1A
PBS00014	TGCTTCATTGATGTTGTTAACAAGGCACTCGAAATGT GCATTGATCAAGTCACTATCGCTGGCGCAAAG	200	SARS-Cov Replicase 1A
PBS00015	TGTCGACGCCATGGTTTATACTTCAGACCTGCTCACC AACAGTGTCATTATTATGGCATATGTAACTGGT	201	SARS-Cov Replicase 1A
PBS00016	TACTGTTGAAAAACTCAGGCCTATCTTTGAATGGATT GAGGCGAAACTTAGTGCAGGAGTTGAATTTCTC	202	SARS-Cov Replicase 1A
PBS00017	ACCTATTCTGTTGCTTGACCAAGCTCTTGTATCAGAC GTTGGAGATAGTACTGAAGTTTCC	203	SARS-Cov Replicase 1A
PBS00018	GCCTATTAATGTCATAGTTTTTGATGGCAAGTCCAAA TGCGACGAGTCTGCTTCTAAGTCTGCTTCTGTG	204	SARS-Cov Replicase 1A
PBS00019	TGAGAGCTAACAACACTAAAGGTTCACTGCCTATTAA TGTCATAGTTTTTGATGGCAAGTCCAAATGCGA	205	SARS-Cov Replicase 1A
PBS00020	ACTTGCATGATGTGCTATAAGCGCAATCGTGCCACAC GCGTTGAGTGTACAACTATTGTTAATGGCATGA	206	SARS-Cov Replicase 1A
PBS00021	GGCGATGTAGTGGCTATTGACTATAGACACTATTCAG CGAGTTTCAAGAAAGGTGCTAAATTACTGCATA	207	SARS-Cov Replicase 1A
PBS00022	TCAAACCAAACACTTGGTGTTTTACGTTGTCTTTTGGAG TACAAAGCCAGTAGATACTTCAAATTCATTTGA	208	SARS-Cov Replicase 1A
PBS00023	TAGTGCTGTTGGCAACATTTGCTACACACCTTCCAAA CTCATTGAGTATAGTGATTTTGCTAC	209	SARS-Cov Replicase 1A
PBS00024	TCATAGCTAACATCTTTACTCCTCTTGTGCAACCTGT GGGTGCTTTAGATGTGTCTGCTTCAGTAGTGGC	210	SARS-Cov Replicase 1A
PBS00025	GGTATTATTGCCATATTGGTGACTTGTGCTGCCTACT ACTTTATGAAATTCAGACGTGTTTTTGGTGAGT	211	SARS-Cov Replicase 1A
PBS00026	GTGATGTCAGAGAAACTATGACCCATCTTCTACAGCA TGCTAATTTGGAATCTGCAAAGCGAGTTCTTAA	<u>212</u>	SARS-Cov Replicase 1A
PBS00027	AACCATCAAGCCTGTGTCGTATAAACTCGATGGAGTT ACTTACACAGAGATTGAACCAAAATTGGATGGG		SARS-Cov Replicase 1A

probe_id	Sequence 5'-3'	SEQ ID NO:	region
PBS00028	GTTTTCTACAAGGAAACATCTTACACTACAACCATCA AGCCTGTGTCGTATAAACTCGATGGAGTTACTT	214	SARS-Cov Replicase 1A
PBS00029	CCTTGAATGAGGATCTCCTTGAGATACTGAGTCGTGA ACGTGTTAACATTAACATTGTTGGCGATTTTCA	215	SARS-Cov Replicase 1A
PBS00031	GCCATGGTTTATACTTCAGACCTGCTCACCAACAGTG TCATTATTATGGCATATGTAACTGGTGGTCTTG	216	SARS-Cov Replicase 1A
PBS00032	CAACAGACTTCTCAGTGGTTGTCTAATCTTTTGGGCA CTACTGTTGAAAAACTCAGGCCTATCTTTGAAT	217	SARS-Cov Replicase 1A
PBS00033	TTCCCGTCAGGCAAAGTTGAAGGGTGCATGGTACAAG TAACCTGTGGAACTACAAC	218	SARS-Cov Replicase 1A
PBS00034	GGTTCACCATCTGGTGTTTATCAGTGTGCCATGAGAC CTAATCATACCATTAAAGG	219	SARS-Cov Replicase 1A
PBS00035	AGATCATGTTGACATATTGGGACCTCTTTCTGCTCAA ACAGGAATTGCCGTC	220	SARS-Cov Replicase 1A
PBS00036	TAAAAAGGACAAAAAGAAAAAGACTGATGAAGCTCAG CCTTTGCCGCAGAGACAAAAGAAGCAGCCCACT	221	SARS-Cov Nucleocapsid gene
PBS00037	ACGGCAAAATGAAAGAGCTCAGCCCCAGATGGTACTT CTATTACCTAGGAACTGGCCCAGAAGCTTCACT	222	SARS-Cov Nucleocapsid gene
PBS00038	GGCGCTAACAAAGAAGGCATCGTATGGGTTGCAACTG AGGGAGCCTTGAATACACCCAAAGACCACATTG	223	SARS-Cov Nucleocapsid gene
PBS00039	GTCCAGATGACCAAATTGGCTACTACCGAAGAGCTAC CCGACGAGTTCGTGGTGGTGACGGCAAAATGAA	224	SARS-Cov Nucleocapsid gene
PBS00040	GAGGTGGTGAAACTGCCCTCGCGCTATTGCTGCTAGA CAGATTGAACCAGCTTGAGAGCAAAGTTTCTGG	225	SARS-Cov Nucleocapsid gene
PBS00041	AAAAGAAAAAGACTGATGAAGCTCAGCCTTTGCCGCA GAGACAAAAGAAGCAGCCCACTGTGACTCTTCT	226	SARS-Cov Nucleocapsid gene
PBS00042	AAATTGCACAATTTGCTCCAAGTGCCTCTGCATTCTT TGGAATGTCACGCATTGGCATGGAAGTCACACC	227	SARS-Cov Nucleocapsid gene
PBS00043	ACCAATTTAACAAGGCGATTAGTCAAATTCAAGAATC ACTTACAACAACATCAACTGCATTGGGCAAGCT	228	SARS-Cov Spike glycoprotein gene
PBS00044	CACCTGGAACAAATGCTTCATCTGAAGTTGCTGTTCT ATATCAAGATGTTAACTGCACTGATGTTTCTAC	229	SARS-Cov Spike glycoprotein gene
PBS00045	AAAGGGCTACCACCTTATGTCCTTCCCACAAGCAGCC CCGCATGGTGTTGTCTTCCTACATGTCACGTAT	230	SARS-Cov Spike glycoprotein gene

probe_id	Sequence 5°−3°	SEQ ID NO:	region
PBS00046	TCAGGAAATTGTGATGTCGTTATTGGCATCATTAACA ACACAGTTTATGATCCTCTGCAACCTGAGCTTG	231	SARS-Cov Spike glycoprotein gene
PBS00047	TTGATCTTGGCGACATTTCAGGCATTAACGCTTCTGT CGTCAACATTCAAAAAGAAATTGACCGCCTCAA	232	SARS-Cov Spike glycoprotein gene
PBS00048	GAGGAACTTCACCACAGCGCCAGCAATTTGTCATGAA GGCAAAGCATACTTCCCTCGTGAAGGTGTTTTT	233	SARS-Cov Spike glycoprotein gene

Please replace Table 15, beginning on page 28 and bridging to page 38, with a new Table 15 as follows:

Table 15. Exemplary probes for non-SARS-CoV infectious organisms causing SARS-like symptoms

seqid	sequence(5'-3')	SEQ ID NO:	species
PBIA_00001	TTTAGAGCCTATGTGGATGGATTCRAACCGAACGGC TGCATTGAGGGCAAGCTTTCTCAAATGTC	234	Influenza A virus
PBIA_00002	ACAATTGAAGAAAGATTTGAAATCACTGGAACCATG CGCAGGCTTGCCGACCAAAGTCTCCCACCGAACT	235	Influenza A virus
PBIA_00003	AGCAATNGAGGAGTGCCTGATTAANGATCCCTGGGT TTTGCTNAATGC	<u>236</u>	Influenza A virus
PBIA_00004	CCATACAGCCATGGAACAGGAACAGGATACACCATG GACACAGTCAACAGAACACANCAATATTCAGAAA	237	Influenza A virus
PBIA_00005	GGGCGGGGAGTCTTCGAGCTCTCNGACGAAAAGGCA ACGAACCCGATCGTGCC	238	Influenza A virus
PBIA_00006	GATCTNGAGGCTCTCATGGAATGGCTAAAGACAAGA CCAATCCTGTCACCTCTGACTAA	239	Influenza A virus
PBIB_00001	GCTGGGAAATAGCATGGAACTGATGATATTCAGCTA CAATCAAGACTATTCGTTAAGTAATGAATCCTCA	240	Influenza B virus
PBIB_00002	TCTGTTCCAGCTGGTTTCTCCAATTTTGAAGGAATG AGGAGCTACATAGACAATATAGATCCTAAAGGAG	241	Influenza B virus
PBIB_00003	TTACAACCATGAGCTACCAGAAGTTCCATATAATGC CTTTCTTCTAATGTCTGATGAATTGGGGCCTGGCC	242	Influenza B virus
PBIB_00004	ACAAATAAGATCCAAATGAAATGGGGAATGGAAGCT AGAAGATGTCTGCTTCAATCAATGCAACAAATGG	243	Influenza B virus
PBIB_00005	GAGGGAATGTATTCTGGAATAGANGAATGTATTAGT AACAACCCTTGGGTAATACAGAGTGCATACTGGT	244	Influenza B virus
PBIB_00006	CTACCGTGTTGGGAGTAGCCGCACTAGGTATCAAAA ACATTGGAAACAAAGAATACTTATGGGATGGACT	245	Influenza B virus

seqid	sequence(5'-3')	SEQ ID NO:	species
PBIB_00007	GGCTATGACTGAAAGAATAACCAGAGACAGCCCAAT TTGGTTCCGGGATTTTTGTAGTATAGCACCGGTC	246	Influenza B
PBIB_00008	ACTGATCAGAGGAACATGATTCTTGAGGAACAATGC TACGCTAAGTGTTGCAACCTTTTTTGAGGCCTGTT	247	Influenza B virus
PBIB_00009	AAAATCCCTTTGTNGGACATTTGTCTATTGAGGGCA TCAAAGANGCAGATATAACCCCAGCACATGGTCC	248	Influenza B virus
PBIB_00010	CTTGGAATACAAGGGAATACAACTTAAAACAAATGC TGAAGACATAGGAACCAAAGGCCAAATGTGCTCA	249	Influenza B virus
PBIB_00011	GTGGCAGGAGCAACATCAGCTGAGTTCATAGAAATG CTACACTGCTTACAAGGTGAAAATTGGAGACAAA	<u>250</u>	Influenza B virus
PBIB_00012	GGAACCCATCCCCGGAAAGAGCAACCACAAGCAGTG AAGCTGATGTCGGAAGGAAAACCCAAAAGAAACA	<u>251</u>	Influenza B virus
PBIB_00013	CTGTTTCCAAAGATCAAAGGCACTAAAAAGAGTTGG ACTTGACCCTTCATTAATCAGTACCTTTGCAGGA	252	Influenza B virus
PBIB_00014	AGAGTTTTGTCTGCATTAACAGGCACAGAATTCAAG CCTAGATCAGCATTAAAATGCAAGGGTTTCCATG	253	Influenza B virus
PBIB_00015	GAGGGACGTGATGCAGATGTCAAAGGAAATCTACTC AAGATGATGAATGACTCAATGGCTAAGAAAACCA	254	Influenza B virus
PBIB_00016	CCTATCAGGAATGGGAACAACAGCAACAAAAAAGAA AGGCCTGATTCTAGCTGAGAGAAAAATGAGAAGA	255	Influenza B virus
PBIB_00017	GCAAGTCAAAAGAATGGGGAAGGAATTGCAAAGGAT GTAATGGAAGTGCTAAAGCAGAGCTCTATGGGAA	256	Influenza B virus
PBAd_00001	CTGACACCTACCAAGGTATAAAATCAAACGGAAACG GTAATCCTCAAAACTGGACCAAAAATGACGATTT	<u>257</u>	Human adenovirus
PBAd_00002	TCCTCTACTCCAACATTGCACTGTACCTGCCTGACA AGCTAAAATACACTCCTACAAATGTGGAAATATC	258	Human adenovirus
PBAd_00003	GCTATCGGAGGCAGAGTACTAAAAAAGACTACTCCC ATGAAACCATGCTACGGATCGTATGCCAGACCTA	259	Human adenovirus
PBAd_00004	AGTATTGTTTTGTACAGTGAGGATGTTAATATGGAA ACTCCTGATACTCACATTTCATACAAACCAAGCA	260	Human adenovirus
PBAd_00005	GGGAAACGATCTTAGAGTTGACGGGGCTAGCATTAA GTTTGACAGCATTTGTCTTTACGCCACCTTCTTC	261	Human adenovirus
PBAd_00006	TTGCCATTAAAAACCTCCTCCTCCTGCCAGGCTCAT ATACATATGAATGGAACTTCAGGAAGGATGTTAA	262	Human adenovirus
PBAd_00007	TTGCAACACGTAATGAAATAGGAGTGGGTAACAACT TTGCCATGGAAATTAACCTAAATGCCAACCTATG	263	Human adenovirus

seqid	sequence(5'-3')	SEQ ID NO:	species
PBAd_00008	TTGGGGTAACTGACACCTATCAAGCTATTAAGGCTA ATGGCAATGGCTCAGGCGATAATGGAGATATTAC	<u> 264</u>	Human adenovirus
PBAd_00009	AGGTATCAAGGCATTAAAGTTAAAACCGATGACGCT AATGGATGGGAAAAAGATGCTAATGTTGATACAG	<u> 265</u>	Human adenovirus
PBAd_00010	GAGAAGTTTTCTGTACTCCAATGTGGCTTTGTACCT TCCAGATGTTTACAAGTACACGCCACCTAACATT	<u> 266</u>	Human adenovirus
PBAd_00011	ATCAGTCATTTAACGACTACCTCTCTGCAGCTAACA TGCTTTACCCCATTCCTGCCAATGCAACCAACAT	<u> 267</u>	Human adenovirus
PBAd_00012	CTACTTCGTATATTCTGGATCTATTCCCTACCTGGA TGGCACCTTTTACCTTAACCACACTTTCAAGAAG	268	Human adenovirus
PBAd_00013	ACCTGCCAGTGGAAGGATGCTAACAGCAAAATGCAT ACCTTTGGGGTAGCTGCCATGCCA	269	Human adenovirus
PBAd_00014	ATAGAAGCTGATGGGCTGCCTATTAGAATAGATTCA ACTTCTGGAACTGACACAGTAATTTATGCTGATA	270	Human adenovirus
PBAd_00015	TTGAAATTAAGCGCACCGTGGACGGCGAGGGGTACA ACGTGGCCCAGTGCAACATGACCAAGGACTGGTT	271	Human adenovirus
PBAd_00016	CGGCAACGACCGGCTCCTGACGCCCAACGAGTTTGA AATTAAGCGCACCGTGGACGGCGAGGGGTACAAC	272	Human adenovirus
PBAd_00017	CTCCAGTAACTTTATGTCCATGGGCGCACTCACAGA CCTGGGCCAAAACCTTCTCTACGCCAACTCCGCC	273	Human adenovirus
PBAd_00018	GCTAACTTCCCCTATCCGCTTATAGGCAAGACCGCA GTTGACAGCATTACCCAGAAAAAGTTTCTTTGCG	274	Human adenovirus
PBÀd_00019	ACAGTCCTTCCAACGTAAAAATTTCTGATAACCCAA ACACCTACGACTACATGAACAAGCGAGTGGTGGC	275	Human adenovirus
PBAd_00020	AAGATGAACTTCCAAATTACTGCTTTCCACTGGGAG GTGTGATTAATACAGAGACTCTTACCAAGGTAAA	276	Human adenovirus
PBAd_00021	AGCTAACATGCTTTACCCCATCCCTGCCAATGCAACCAAC	277	Human adenovirus
PBAd_00022	TTCAACTCTTGAAGCCATGCTGCGCAACGATACCAA TGATCAGTCATTCAACGACTACCTCTCTGCAGCT	278	Human adenovirus
PBAd_00023	AGGCTGTGGACAGCTATGATCCCGATGTTCGTATTA TTGAAAATCATGGCGTCGAGGATGAACTGCCTAA	279	Human adenovirus
PBAd_00024	TGAAATTGTGCTTTACACGGAAAATGTCAATTTGGA AACTCCAGACAGCCATGTGGTATACAAGCCAGGA	280	Human adenovirus
PBAd_00025	CATCGGCTATCAGGGCTTCTACATTCCAGAAGGATA CAAAGATCGCATGTATTCATTTTTCAGAAACTTC	281	Human adenovirus

seqid	sequence(5'-3')	SEQ ID NO:	species
PBAd_00026	GCTGCTTCTCCCAGGCTCCTACACTTATGAGTGGAA CTTTAGGAAGGATGTGAACATGGTTCTACAGAGT	282	Human adenovirus
PBAd_00027	ATGACACCAATGATCAGTCATTCAACGACTACCTAT CTGCAGCTAACATGCTCTACCCCATTCCTGCCAA	283	Human adenovirus
PBAd_00028	CTTGCCAACTACAACATTGGATACCAGGGCTTCTAC GTTCCTGAGGGTTACAAGGATCGCATGTACTCCT	284	Human adenovirus
PBAd_00029	GATCGCATGTACTCCTTCTTCAGAAACTTCCAGCCC ATGAGTAGACAGGTGGTTGATGAGATTAACTACA	285	Human adenovirus
PBAd_00030	CCCCTAAGGGCGCTCCCAATACATCTCAGTGGATTG CTGAAGGCGTAAAAAAAGAAGATGGGGGATCTGA	286	Human adenovirus
PBAd_00031	AGAAAATGTAAATTTGGAAACTCCAGATTCCCATGT TGTTTACAAAGCAGGAACTTCAGACGAAAGCTCT	287	Human adenovirus
PBAd_00032	TGTGGCTACCAATACTGTTTACCAAGGTGTTAAGTT ACAAACTGGTCAAACTGACAAATGGCAGAAAGAT	288	Human adenovirus
PBAd_00033	CCGAATTGGGAAGGGTAGCGTATTCGCCATGGAAAT CAATCTCCAGGCCAACCTGTGGAAGAGTTTTCTG	289	Human adenovirus
PBAd_00034	TTGATGAGGTCAATTACAAAGACTTCAAGGCCGTCG CCATACCCTACCAACACAACA	290	Human adenovirus
PBAd_00035	TGACGAAGAGAAGAGAAAAATCTCACCACTTACAC TTTTGGAAATGCCCCAGTGAAAGCAGAAGGTGGT	291	Human adenovirus
PBAd_00036	AGAAGATTTTGACATTGACATGGCTTTCTTTGATTC CAACACTATTAACACACCAGATGTTGTGCTGTAT	292	Human adenovirus
PBS10062	CTCACATCCTAGGAAGATGCATAGTTTTAGATGTTA AAGGTGTAGAAGAATTGCATGACGATTTAGTTAA	293	HCoV-OC43
PBS10063	GGATTGGCCATTGCACCATAGCTCAACTCACGGATG CAGCACTGTCCATTAAGGAAAATGTTGATTTTAT	294	HCoV-OC43
PBS10064	GCATGCAATTCAATTATAAAATCACCATCAACCCCT CATCACCGGCTAGACTTGAAATAGTTAAGCTCGG	295	HCoV-OC43
PBS10065	ATAGTTAGTCACTGGATGGGAATTCGTTTTGAATAC ACATCACCCACTGATAAGCTAGCTATGATTATGG	296	HCoV-OC43
PBS10049	AATGGGGTTATGTTGGTTCACTCTCCACTAATCACC ATGCAATTTGTAATGTTCATAGAAATGAGCATGT	297	HCoV-229E
PBS10050	GTGTATGACTGCTTTGTTAAGAATGTGGATTGGTCA ATTACCTACCCTATGATAGCTAATGAAAATGCCA	298	HCoV-229E
PBS10051	TTGCATCTTCTTTGTTGGTATGCCATCTTTTGTTG CATATGAAACAGCAAGACAAGA	299	HCoV-229E

seqid	sequence(5'-3')	SEQ ID NO:	species
PBS10052	AAATGGTTCCTCACCACAAATAATCAAACAATTGAA GAAGGCTATGAATGTTGCAAAAGCTGAGTTTGAC	300	HCoV-229E
PBS10053	CTGCTGCAGCTATGTACAAAGAAGCACGTGCTGTTA ATAGAAAATCAAAAGTTGTTAGTGCCATGCATAG	301	HCoV-229E
PBS10054	ACGTTTGGACATGTCTAGTGTTGACACTATCCTTAA TATGGCACGTAATGGTGTTGTCCCTCTTTCCGTT	302	HCoV-229E
PBS10055	CTGGTGGTAAAGTTTCATTTTCTGATGACGTTGAAG TAAAAGACATTGAACCTGTTTACAGAGTCAAGCT	303	HCoV-229E
PBS10056	TTTACAGAGTCAAGCTTTGCTTTGAGTTTGAAGATG AAAAACTTGTAGATGTTTGTGAAAAGGCAATTGG	304	HCoV-229E
PBS10057	GATGTTTGTGAAAAGGCAATTGGCAAGAAAATTAAA CATGAAGGTGACTGGGATAGCTTTTGTAAGACTA	305	HCoV-229E
PBS10058	GCGTTGTTGGCCTTTTTCTTGTCTAAGCATAGTGAT TTTGGTCTTGGTGATCTTGTCGATTCTTATTTTG	306	HCoV-229E
PBS10059	AGCAAGACAAGAGTATGAAAATGCTGTTGCAAATGG TTCCTCACCACAAATAATCAAACAATTGAAGAAG	307	HCoV-229E
PB\$10060	TTGAAGAAGGCTATGAATGTTGCAAAAGCTGAGTTT GACAGGGAATCATCTGTTCAAAAGAAAATTAACA	308	HCoV-229E
PB\$10061	CTGCTGCAGCTATGTACAAAGAAGCACGTGCTGTTA ATAGAAAATCAAAAGTTGTTAGTGCCATGCATAG	309	HCoV-229E
РВНЕ_00001	CGGGATAAGGCACTCTCTATCAGAATGGATGTCTTG CTGCTATAATAGATAGAGAAGGTTATAGCAGACT	310	Human enteric coronaviruse
РВНЕ_00002	CCCTCGCAGGAAAGTCGGGATAAGGCACTCTCTATC AGAATGGATGTCTTGCTGCTATAATAGATAGAGA	311	Human enteric coronaviruse
РВНЕ_00003	ATGGATGTTTGAGGACGCAGAGGAGAAGTTGGACAA CCCTAGTAGTTCAGAGGTGGATATAGTATGCT	312	Human enteric coronaviruse
PBHE_00004	CCTTGGGTTATGTACTTGCGTAAGTGTGGCGAAAAG GGTGCCTACAATAAAGATCATAAACGTGTCGG	313	Human enteric coronaviruse
РВНЕ_00005	GGGGATGCTGGTTTTACTAGCATACTCAGTGGTTTG TTATATGATTCACCCTGTTTTTCACAGCAAGG	314	Human enteric coronaviruse
РВНЕ_00006	CATGACGGCAGTTGCTTGTCAACCCCCGTACTGTTA TTTTCGTAATTCTACTACCAACTATGTTGGTG	315	Human enteric coronaviruse
PBRh_00001	GGCTGAGTGATTACATCACAGGTTTGGGTAGAGCTT TTGGTGTCGGGTTCACTGACCAAATCTCAACAAA	316	Human rhinovirus
PBRh_00002	GAAAAGCTATTAGCTTGGTAGACAGAACTACCAACG TTAGGTATAGTGTGGATCAACTGGTCACGGCTAT	317	Human rhinovirus

seqid	sequence(5'-3')	SEQ ID NO:	species
PBRh_00003	GGCCAAGTAATAGCTAGACATAAGGTTAGGGAGTTT AACATAAATCCAGTCAACACGGCAACTAAGTCAA	318	Human rhinovirus
PBRh_00004	GATAACAAGGGCATGTTATTCACCAGTAATTTTGTT CTAGCCTCCACAAATTCTAACACACTAAGCCCCC	319	Human rhinovirus
PBRh_00005	GGCCAAGAAGTAAGGTTGTGTTTAGTACCACTCAGG GTTTACCAGTTATGTTAACACCTGGATCTGGGCA	320	Human rhinovirus
PBRh_00006	GTAATGCGTAAGTGCGGGATGGGACCAACTACTTTG GGTGTCCGTGTTTCCTGTTTTTTTTTT	321	Human rhinovirus
PBRh_00007	TAAAAGAGGATTCAGAGCTGATGAGCGCCACTCTTT CCTTATACACCCTACCTTTCCTGTGGCTGAGATT	322	Human rhinovirus
PBRh_00008	GCAAGTTTCATCAGGGTTTATTAATAGTTGCCGCCA TCCCAGAACATCAATTGGCATCTGCAACAAGTGG	323	Human rhinovirus
PBMP_00001	ATATATGAAGGAACACCAGTGGCGAAGGCGAAAACT TAGGCCATTACTGACGCTTAGGCTTGAAAGTGTG	324	Mycoplasma pneumoniae
PBMP_00002	GCAGTAGGGAATTTTTCACAATGAGCGAAAGCTTGA TGGAGCAATGCCGCGTGAACGATGAAGGTCTTTA	325	Mycoplasma pneumoniae
PBMP_00003	AACACATTAAGTATCTCGCCTGGGTAGTACATTCGC AAGAATGAAACTCAAACGGAATTGACGGGGACCC	326	Mycoplasma pneumoniae
PBMP_00004	ACACCGTAAACGATAGATACTAGCTGTCGGGGCGAT CCCCTCGGTAGTGAAGTTAACACATTAAGTATCT	327	Mycoplasma pneumoniae
PBMP_00005	ACATCCTTGGCAAAGTTATGGAAACATAATGGAGGT TAACCGAGTGACAGGTGGTGCATGGTTGTCGTCA	328	Mycoplasma pneumoniae
PBR_00001	TTATAACTTAACCGTCGGCAGTTGGGTAAGAGACCA CGTCCGATCAATTGTCGAGGGCGCGTGGGAAGTG	329	Rubella virus
PBR_00002	ATACCCAGACCTGTGTTCACGCAGATGCAGGTCAGT GATCACCCAGCACTCCACGCAATTTCGCGGTATA	330	Rubella virus
PBR_00003	AGAAACTCCTAGATGAGGTTCTTGCCCCCGGTGGGC CTTATAACTTAACCGTCGGCAGTTGGGTAAGAGA	331	Rubella virus
PBR_00004	ATACCCAGACCTGTGTTCACGCAGATGCAGGTCAGT GATCACCCAGCACTCCACGCAATTTCGCGGTATA	332	Rubella virus
PBR_00005	TCTTACTTCAACCCTGGCGGCAGCTACTACAAGCAG TACCACCCTACCGCGTGCGAGGTTGAACCT	333	Rubella virus
PBM_00001	AAGGCTTGTTTCAGAGATTGCAATGCATACTACTGA GGACAGGATCAGTAGAGCAGTTGGACCCAGACAA	334	Measles virus
PBM_00002	AGGATCAGTAGAGCAGTTGGACCCAGACAAGCCCAA GTGTCATTCCTACACGGTGATCAAAGTGAGAATG	335	Measles virus

seqid	sequence(5'-3')	SEQ ID NO:	species
PBM_00003	TCAGTAGAGCAGTTGGACCCAGACAAGCCCAAGTGT CATTCCTACACGGTGATCAAAGTGAGAATG	336	Measles virus
PBM_00004	CCCAGGGAATGTACGGGGGAACTTACCTAGTTGAAA AGCCTAATCTGAGCAGCAAAGGATCAGAATTATC	337	Measles virus
PBM_00005	CCCAGGGAATGTACGGGGGAACTTACCTAGTTGAAA AGCCTAATCTGAGCAGCAAAGGATCAGAATTATC	338	Measles virus
PBRSV_00001	CAAACCCACAAACCAAACCAACCACAAAACCACAAA CAAAAGAGACCCAAAAACACCAGCCAAAACGACG	339	Human respiratory syncytial virus
PBRSV_00002	GCAGCACTTGTAATAACCAAATTAGCAGCAGGAGAC AGATCAGGTCTTACAGCAGTAATTAGGAGGGCAA	340	Human respiratory syncytial virus
PBRSV_00003	CAAGAGGGGGTAGTAGAGTTGAAGGAATCTTTGCAG GATTGTTTATGAATGCCTATGGTTCAGGGCAAGT	341	Human respiratory syncytial virus
PBRSV_00004	GACTTAACAGCAGAAGAATTGGAAGCCATAAAGAAT CAACTCAACCCTAAAGAAGATGATGTAGAGCTTT	342	Human respiratory syncytial virus
PBRSV_00005	TCACAATCCACTGTGCTCGACACAACCACATTAGAA CACACAATCCAACAGCAATCCCTCCACTCAACCA	343	Human respiratory syncytial virus
PBRSV_00006	GACTTAACAGCAGAAGAATTGGAAGCCATAAAGAAT CAACTCAACCCTAAAGAAGATGATGTAGAGCTTT	344	Human respiratory syncytial virus
PBPI_00001	GCCGACGACCATCAAGCGTAGCCAAACAAGATCAGA GAGAACACAGAATTCAGAACTCCACAAATCAACA	345	Parainfluenza
PBPI_00002	CGACCCAAGATCATAGATCAAGTGAGGAGAGTGGAA TCTCTAGGAGAACAGGTGAGTCAAAAACTGAGAC	346	Parainfluenza
PBPI_00003	CGCAAATGAAGAGGGAACCAGCAACACATCAGTCGA TGAGATGGCCAAGTTACTAGTAAGTCTTGGTGTA	347	Parainfluenza
PBPI_00004	CTCCTTGCAATGGCCATACGTAGTCCGGAATTATAT CTCACTACAAACGGTGTCAATGCTGATGTCAAGT	348	Parainfluenza
PBPI_00005	GAACAAAAACAGATGGGTTCATTGTCAAAACGAGAG ACATGGAGTATGAAAGAACCACAGAGTGGTTGTT	349	Parainfluenza
PBPI_00006	TGTTCCAAGGGCAAAGAGAGAATGCGGATCTAGAGG CATTGCTTCAGACATATGGATATCCTGCATGTCT	350	Parainfluenza
PBPI_00007	GGTATATCCCTCTTCCCAGCCACATCATGACAAAAG GGGCATTTCTAGGTGGAGCAGATATCAAAGAATG	351	Parainfluenza

seqid	sequence(5'-3')	SEQ ID NO:	species
PBPI_00008	GTATAACAACCACATGTACATGCAACGGTATTGGCA ATAGAATCAATCAACCACCTGATCAAGGAGTAAA	352	Parainfluenza
PBPI_00009	CCCAACCCATTCAAAACGAAAATCTCAAAAGAGATT GGCAACAACAAACACTGAACATCATGCCAACC	353	Parainfluenza
PBME_00001	AAAAGTGTATCACAGAAGTTTGTTCATTGAGTATGG CAAAGCATTAGGCTCATCATCTACAGGCAGCAAA	354	Human metapneumovirus
PBME_00002	GAAAGTCTATTTGTTAATATATTCATGCAAGCTTAT GGAGCCGGTCAAACAATGCTAAGGTGGGGGGTCA	355	Human metapneumovirus
PBME_00003	ACGCTGTTGTGTGGAGAAATTCTGTATGCTAAACAT GCTGATTACAAATATGCTGCAGAAATAGGAATAC	356	Human metapneumovirus
PBME_00004	TTAAGGAATCATCAGGTAATATCCCACAAAATCAGA GGCCCTCAGCACCAGACACACCCATAATCTTATT	357	Human metapneumovirus
PBME_00005	TGAGCAATCAAAGGAGTGCAACATCAACATATCCAC TACAAATTACCCATGCAAAGTCAGCACAGGAAGA	358	Human metapneumovirus
PBME_00006	CTGTTCCATTGGCAGCAACAGAGTAGGGATCATCAA GCAGCTGAACAAAGGTTGCTCCTATATAACCAAC	359	Human metapneumovirus
PBME_00007	ACTTAATGACAGATGCTGAACTAGCCAGGGCCGTTT CTAACATGCCGACATCTGCAGGACAAATAAAATT	360	Human metapneumovirus
PBME_00008	AAAAAAAGGGAAACTATGCTTGCCTCTTAAGAGAAG ACCAAGGGTGGTATTGTCAGAATGCAGGGTCAAC	361	Human metapneumovirus
PBME_00009	GAAAAGAACACCAGTTACAATACCAGCATTTATC AAATCGGTTTCTATCAAAGAGAGTGAATCAGCCA	362	Human metapneumovirus
PBME_00010	CAAATCAGTTGGCAAAAAAACACATGATCTGATCGC ATTATGTGATTTTATGGATCTAGAAAAGAACACA	363	Human metapneumovirus
PBME_00011	CAGCTAAAGACACTGACTATAACTACTCTGTATGCT GCATCACAAAGTGGTCCAATACTAAAAGTGAATG	364	Human metapneumovirus
PBME_00012	AAAAGAACACACCAGTTACAATACCAGCATTTATCA AATCGGTTTCTATCAAAGAGAGTGAATCAGCCAC	365	Human metapneumovirus
PBME_00013	CTATTATAGGAGAAAAGTGAACACTGTATCTGAAA CATTGGAATTACCTACTATCAGTAGACCCACCAA	366	Human metapneumovirus
PBME_00014	AAGTTAGCATGGACAGACAAAGGTGGGGCAATCAAA ACTGAAGCAAAGCA	<u>367</u>	Human metapneumovirus
PBME_00015	CAGGAAAATACACAAAGTTGGAGAAAGATGCTCTAG ACTTGCTTTCAGACAATGAAGAAGAAGATGCAGA	368	Human metapneumovirus
PBME_00016	CTAATAGCAGACATAATAAAAGAAGCCAAGGGAAAA GCAGCAGAAATGATGGAAGAAAATGAACCAGC	369	Human metapneumovirus

seqid	sequence(5'-3')	SEQ ID NO:	species
PBCP_00001	ACCCTTATCGTTAGTTGCCAGCACTTAGGGTGGGAA CTCTAACGAGACTGCCTGGGTTAACCAGGAGGAA	<u>370</u>	Chlamydophila pneumoniae
PBCP_00002	ATAAGAGAGGTTGGCTAATATCCAATTGATTTGAGC GTACCAGGTAAAGAAGCACCGGCTAACTCCGTGC	<u>371</u>	Chlamydophila pneumoniae
PBCP_00003	CATGGGATCTTAAGTTTAGTTGAATACTTCTGGAA AGTTGAACGATACAGGGTGATAGTCCCGTAAACG	372	Chlamydophila pneumoniae
PBCP_00004	GGGTGCTAGCGTTAATCGGATTTATTGGGCGTAAAG GGCGTGTAGGCGGAAAGGAAA	373	Chlamydophila pneumoniae
PBCP_00005	GCCAGGGAGTTAAGTTAAACGGCGAGATTAAGGGAT TTACATTCCGGAGTCGAAGCGAAAGCGAGTTTTA	374	Chlamydophila pneumoniae
PBCP_00006	GCCAGGGAGTTAAGTTAAACGGCGAGATTAAGGGAT TTACATTCCGGAGTCGAAGCGAAAGCGAGTTTTA	375	Chlamydophila pneumoniae

Please replace Table 16, beginning on page 38 and bridging to page 42, with a new Table 16 as follows:

Table 16. Exemplary probes for non-SARS-CoV infectious organisms damaging host's immune system

iđ	sequence(5'-3')	SEQ ID NO:	species
PBHAV_00001	GGTGTTGAACCTGAGAAAAATATTTACACCAAACCTGTGGC CTCAGATTATTGGGATGGATATAGTGGAC	<u>376</u>	HAV
PBHAV_00002	ACTGAGGAGCATGAAATAATGAAGTTTTCTTGGAGAGGAGT GACTGCTGATACTAGGGCTTTGAGAAGAT	<u>377</u>	HAV
PBHAV_00003	CATGGCGTGACTAAGCCCAAACAAGTGATTAAATTGGATGC AGATCCAGTAGAGTCCCAGTCAACTCTAG	<u>378</u>	HAV
PBHAV_00004	GTGCAGTGATGGACATTACAGGAGTGCAGTCAACCTTGAGA TTTCGTGTTCCTTGGATTCTGATACACC	<u>379</u>	HAV
PBHAV_00005	CCAAAAGAGATTTAATTTGGTTGGATGAAAATGGTTTGCTG TTAGGAGTTCACCCAAGATTGGCCCAGAG	<u>380</u>	HAV
РВНАV_00006	AGAGATGCTTTGGATAGGGTAACAGCGGCGGATATTGGTGA GTTGTTAAGACAAAAACCATTCAACGCCG	<u>381</u>	HAV
PBHBV_00001	GCTGGATGTCTGCGGCGTTTTATCATATTCCTCTTCATC CTGCTGCTATGCCTCATCTTCTTATTGGT	382	нви
PBHBV_00002	ATATACATCCTTTCCATAGCTGCTAGGTTGTACTGCCAACT AGATTCTTCGCGGGACGTCCTTTGTCTAC	383	нву
PBHBV_00003	ATTCTTTCCCGATCATCAGTTGGACCCTGCATTCGGAGCCA ATTCAAACAATCCAGATTGGGACTTCAAC	384	нву

id	sequence(5'-3')	SEQ ID NO:	species
PBHBV_00004	CTCATGTTGCTGTACAAAACCTACGGATGGAAATTGCACCT GTATTCCCATCCCA	385	нву
РВНВV_00005	AGAGTCTAGACTCGTGGTGGACTTCTCTCAATTTTCTAGGG GGAGCACCCGTGTGTCTTGGCCAAAATTC	386	HBV
PBHBV_00006	CCTTGGATGGCTTTGGGGCATGGACATTGACCCTTATAAAG AATTTGGAGCTACTGTGGAGTTACTCTCA	387	нву
PBHCV_00001	TGGGAGACAGCAGACACTCCAGTCAATTCCTGGCTAGG CAACATAATCATGTTTGCCCCCACACTGT	<u>388</u>	HCV
PBHCV_00002	TGAGCGACTTTAAGACCTGGCTGAAAGCCAAGCTCATGCCA CAACTGCCTGGGATTCCCTTTGTGT	<u>389</u>	HCV
PBHCV_00003	TATAGATGCCCACTTTCTATCCCAGACAAAGCAGAGTGGGG AGAACTTTCCTTACCTGGTAGCGTACCAA	390	HCV
PBHCV_00004	TAACAACACCAGGCCACCGCTGGGCAATTGGTTCGGTTGTA CCTGGATGAACTCAACTGGATTCACCAAA	<u>391</u>	HCV
PBHCV_00005	TTTATCCCTGTGGAGAACCTAGAGACAACCATGAGATCCCC GGTGTTCACGGACAACTCCTCTCCACCAG	<u>392</u>	HCV
PBHCV_00006	TTTATCCCTGTGGAGAACCTAGAGACAACCATGAGATCCCC GGTGTTCACGGACAACTCCTCTCCACCAG	<u>393</u>	HCV
PBHDV_00001	TTCCCTTCTCGTCTTCCTCGGTCAACCTCTTAAGTTCCT CTTCTTCCTTGCTGAGGTGCTTCCCT	<u>394</u>	HDV
PBHDV_00002	TAAGCCCATAGCGATAGGGAGAGATGCTAGGAGTTAGAGGA GACCGAAGCGAGGAGGAAAGCAAAGAGAG	<u>395</u>	HDV
PBHDV_00003	TTGGAGAGCACTCCGGCCGAAAGGTCGAGGTACCCAGAAGG AGGAATCTCACGGAGAAAAGCAGACAAAT	<u>396</u>	HDV
PBHDV_00004	TTAAGTTCCTCTTCTTCCTTGCTGAGGTGCTTCCCTCC CGCGGCCAGCTGCTTTCTCTTGTTCTCGA	397	HDV
PBHDV_00005	AAAAAGAGAAAGCAAGAGACGACGATTTCCCCATGACTCT GGAGACATCCTGGAAGGGGAAAGAAGGAA	<u>398</u>	HDV
PBHDV_00006	AAGTTCCTCTTCTTCCTTGCTGAGGTGCTTCCCTCCCG CGGCCAGCTGCTTTCTCTTGTTCTCGAGG	399	HDV
PBHGV_00001	TCATATCATGCATCATTGGACACGGCCCCCTTCTGCTCCAC TTGGCTTGCTGAGTGCAATGCAGAT	400	HGV
PBHGV_00002	TAAAGTGGGAAAGTGAGTTTTGGAGATGGACTGAACAGCTG GCCTCCAACTACTGGATTCTGGAATACCT	401	HGV
PBHGV_00003	TAGGTCGTAAATCCCGGTCACCTTGGTAGCCACTATAGGTG GGTCTTAAGAGAAGGTTAAGATTCCTCTT	402	HGV

id	sequence(5'-3')	SEQ ID NO:	species
PBHGV_00004	TTCTTGGTTTGCCTCCACCAGTGGTCGCGACTCGAAGATAG ATGTGTGGAGTTTAGTGCCAGTTGG	403	HGV
PBHGV_00005	TCCAACTACTGGATTCTGGAATACCTCTGGAAGGTCCCATT TGATTTCTGGAGAGGCGTGATAAGCCTGA	404	HGV
PBHGV_00006	ACGTTACCAAGGTCTTCATGTATCCCGGACAGTTACTTTCA GCAAGTTGACTATTGCGACAAGGTCTCAG	<u>405</u>	HGV
PBTTV_00001	TGTCAGTAACAGGGGTCGCCATAGACTTCGGCCTCCATTTT ACCTTGTAAAAACTACCAAAATGGCCGTT	<u>406</u>	TTV
PBTTV_00002	ATGTCATCCATTTCCTGGGCCGGGTCTACGTCCTCATATAA GTAACTGCACTTCCGAATGGCTGAGTTTT	407	TTV
PBTTV_00003	GGGATCTAGCATCCTTATTTCAAATAGCACCATAAACATGT TTGGTGACCCCAAACCTTACAACCCTTCC	<u>408</u>	TTV
PBTTV_00004	TGTTAGAAATCCCTGCAAAGAAACCCACTCCTCGGGCAATA GAGTCCCTAGAAGCTTACAAATCGTTGAC	<u>409</u>	TTV
PBTTV_00005	TCAAGGATTGACGTAAAGGTTAAAGGTCATCCTCGGCGGAA GCTACACAAAATGGTGGACAACATCTTCC	410	TTV
PBB19_00001	GGCATGGTTAACTGGAATAATGAAAACTTTCCATTTAATGA TGTAGCAGGGAAAAGCTTGGTGGTCTGGG	411	B19
PBB19_00002	GGCAAGAAAATACACTGTGGTTTTATGGGCCGCCAAGTAC AGGAAAAACAAACTTGGCAATGGCCATTG	412	В19
PBB19_00003	GCCATTTCTCATGGTCAGACCACTTATGGTAACGCTGAAGA CAAAGAGTATCAGCAAGGAGTGGGTAGAT	413	B19
PBB19_00004	AATTTCGAGAATTTACCCCAGATTTGGTGCGGTGTAGCTGC CATGTGGGAGCTTCTAATCCCTTTTCTGT	414	B19
РВНСМV_00001	AGGTGCGCAACGCTTTTATGAAGGTAAAGCCCGTGGCCCAG GAGATTATCCGTATCTGCATACTCGCTAA	<u>415</u>	HCMV
РВНСМV_00002	TAAACGACATGTATCTGTTGTTGACGCTGCGACACTTGCAG CTGCGACACGCGCTGGAGCTACAAATGAT	416	HCMV
РВНСМV_00003	CAAAGCAGCGTCAACAACAGCCACAGAAACCTACGTGGA GACGACACGGGACTTTTTATTGACGGAGA	417	HCMV
РВНСМV_00004	TGCTCCAAAGCAGCGTCAACAACAGCCACACAGAAACCTAC GTGGAGACGACACGGGACTTTTTATTGAC	418	нсму
PBEBV_00001	GAGTTAAAAGCAACTACTGTTTATTTTCCAAAATGAGCTGG GTATAGTTGATGATCTGTAGGCGCAGCTC	419	EBV
PBEBV_00002	ACAGTGACAGTGGGAGAAACACGGCCTCTGAGACATGTATG GGGGTGTTCATCTCACGCAGAAAATCTTT	420	EBV

id	sequence(5'-3')	SEQ ID NO:	species
PBEBV_00003	TGAAGAAGTCCCGTAGTGAAAAATGGGATCTGTCTACACCA TGTCTGGTGTGCCGGGAACATATTGATCG	421	EBV
PBEBV_00004	TGAAGAAGTCCCGTAGTGAAAAATGGGATCTGTCTACACCA TGTCTGGTGTGCCGGGAACATATTGATCG	422	EBV
PBHIV1_00001	ATTATTGTCTGGTATAGTGCAGCAGCAGAACAATTTGCTGA GGGCTATTGAGGCGCAACAGCATCTGTTG	423	HIV1
PBHIV1_00002	GCAACCCTCTATTGTGTGCATCAAAGGATAGAGATAAAAGA CACCAAGGAAGCTTTAGACAAGATAGAGG	<u>424</u>	HIV1
PBHIV1_00003	TGTATGTAGGATCTGACTTAGAAATAGGGCAGCATAGAACA AAAATAGAGGAGCTGAGACAACATCTGTT	<u>425</u>	HIV1
PBHIV1_00004	GGAATGCTAGTTGGAGTAATAAATCTCTGGAACAGATTTGG AATCACACGACCTGGATGGAGTGGGACAG	<u>426</u>	HIV1
PBTP_00001	TACCTTGAAAGACGTTACCGCCAAAATGCTCATCAAAAGAA CGAGGACCATGCTGACAGCACCCGCGACA	427	TP
PBTP_00002	TTTCGTGATCCTTTTCCTTTTCCTGTAGCTCAGCGTCCTTT TTATCTAATTCCTCTGCACGCTCCCCGAG	428	TP
PBTP_00003	TCTTTCTGACTCGCGCAAAAGGCATTACTGGAACACTATTT TAGCCATGTGGTGGCTCCCTGCTATCTTA	. 429	TP
PBTP_00004	ACCTTGAAAGACGTTACCGCCAAAATGCTCATCAAAAGAAC GAGGACCATGCTGACAGCACCCGCGACAA	430	TP
PBHEV_00001	AATAATTCACGCCGTCGCTCCTGATTATAGGTTGGAACATA ACCCAAAGATGCTTGAGGCTGCCTACCGG	<u>431</u>	HEV
РВНЕV_00002	TTTGTTGACGGGGCGGTTTTAGAGACTAATGGCCCAGAGCG CCACAATCTCTTTTGATGCCAGTCAGA	<u>432</u>	HEV
рвнеу_00003	ATTTTACTAGTACTAATGGTGTCGGTGAGATCGGCCGCGGG ATAGCGCTTACCCTGTTTAACCTTGCTGA	433	HEV
PBHEV_00004	AGTCCACTTACGGCTCTTCGACCGGCCCAGTCTATGTCTCT GACTCTGTGACCTTGGTTAATGTAG	434	HEV

Please replace Table 17, beginning on page 43 and bridging to page 44, with a new Table 17 as follows:

Table 17. Exemplary probes for non-SARS-CoV coronaviridae virus

	Exemplary proocs for hon-barks-cov coronaviruae virus	
seqid	sequence(5'-3')	SEQ ID NO:
PBIBV_00001	GGTATAGTGTGGGTTGCTAAGGGTGCTGATACTAAATCTAGATCCAAT CAGGGTACAAGAGATCCTG	435
PBIBV_00002	GGTATAGTGTGGGTTGCTAAGGGTGCTGATACTAAATCTAGATCCAAT CAGGGTACAAGAGATCCTG	436
PBMHV_00001	CCAGCCCAAGCAAGTAACGAAGCAAAGTGCCAAAGAAGTCAGGCAGAAAAT TTTAAACAAGCCTCGCCAA	437
PBMHV_00002	TCTAAACTTTAAGGATGTCTTTTGTTCCTGGGCAAGAAAATGCCGGTGGCA GAAGCTCCTCTGTAAACCG	. 438
PBEQ_00001	AGGATCAAGAAATAGATCCAATTCCGGCACTAGAACACCCCACCTCTGGTGT GACATCTGATATGGCTGAT	439
PBEQ_00002	TTTAAAACAGCCGATGGCAATCAACGCCAATTGTTGCCACGCTGGTATTTT TACTACTTGGGAACAGGCC	440
PBCA_00001	TTGGAACTTATGTCCGAGAGACTTTGTACCCAAAGGAATAGGTAACAAGGA TCAACAGATTGGTTATTGG	441
PBCA_00002	GCTGAATGTGTTCCATCTGTATCTAGCATTCTGTTTGGAAGCTATTGGACT GCAAAGGAAGATGGCGACC	442
PBFE_00001	CACCACCCTCGAACAAGGAGCTAAATTTTGGTATGTATGT	443
PBFE_00002	. GGCACTCGTGGAACCAACAATGAATCCGAACCATTGAGATTTGATGGTAAG ATACCACCACAATTCCAGC	444
PBPEDV_00001	CTGATCCAAATGTTGAGCTTCTTGTTGCACAGGTGGATGCATTTAAAACTG GGAATGCAAAACCCCAGAG	445
PBPEDV_00002	ATGAGCAAATTCGCTGGCGTATGCGCCGTGGTGAGCGAATTGAACAACCTT CAAATTGGCATTTCTACTA	446
PBPTGV_00001	GAGAGACTTTGTACCCAAAGGAATAGGTAACAGGGATCAACAGATTGGTTA TTGGAATAGACAAACTCGC	447
PBPTGV_00002	GATGGTGACCAGATAGAAGTCACGTTCACACACAAATACCACTTGCCAAAG GATGATCCTAAAACTGGAC	448
PBBOV_00001	TATTTTTACTATCTTGGAACAGGACCGCATGCCAAAGACCAGTATGGCACC GACATTGACGGAGTCTACT	449
PBBOV_00002	: AGAACCCCTACCTCTGGTGTAACACCTGATATGGCTGATCAAATTGCTAGT CTTGTTCTGGCTAAACTTG	450
PBFIPV_00001	GAGTGTGGTTAATCAACAGGGTGAAGCGCTGAGTCAACTTACCAGTCAGT	451
PBFIPV_00002	CCGGCATTGTAGATGGTAATAAGATGGCCATGTACACAGCATCTTTAATTG GAGGTATGGCTTTGGGCTC	452

seqid	sequence(5'-3')	SEQ ID NO:
PBR_00001	AAATGTTAAAACTTGGAACTAGTGATCCACAGTTCCCCATTCTTGCAGAGT TGGCCCCAACACCTGGTGC	453
PBR_00002	CCCATTACTCTTGGTTTTCGGGCATTACCCAATTTCAAAAGGGAAAGGAGT TCCAGTTTGCAGATGGGCA	454
PBPHEV_00001	TAGTAACCAGGCTGATATTAATACCCCGGCTGACATTGTCGATCGGGATCC AAGTAGCGATGAGGCTATT	455
PBPHEV_00002	TTCTTTTAAAACAGCCGATGGCAATCAGCGTCAACTGCTGCCACGATGGTA CTTTTACTACCTGGGAACA	<u>456</u>
PBPV_00001	GTGGTTCCCCATTACTCCTGGTTTTCTGGCATTACCCAATTCCAGAAGGGA AAGGAGTTTAAGTTTGCAG	<u>457</u>
PBPV_00002	AAGAAGTCAGGCAGAAAATTTTAAACAAGCCTCGCCAAAAGAGGACTCCAA ACAAGCAGTGCCCAGTGCA	<u>458</u>
PBTK_00001	TTTGGTGATGACAAGATGAATGAGGAAGGTATTAAGGATGGGCGTGTTACG GCAATGCTCAACCTAGTCC	<u>459</u>
PBTK_00002	TTTGGTGATGACAAGATGAATGAGGAAGGTATTAAGGATGGGCGTGTTACG GCAATGCTCAACCTAGTCC	<u>460</u>
PBSDAV_00001	AGCCTGCCTCTACTGTAAAACCTGATATGGCCGAAGAAATTGCTGCTCTTG TTTTGGCTAAGCTAGGCAA	461
PBSDAV_00002	CCCCATTCTTGCAGAGTTGGCCCCAACACCTGGTGCCTTCTTCTTTGGATC TAAATTAGAATTGGTCAAA	462

Please replace Table 18, beginning on page 50 and bridging to page 54, with a new Table 18 as follows:

Table 18. Exemplary SARS-CoV primers

id	sequence(5'-3')	SEQ ID NO:	region
PMSL_00005	CACGTCTCCCAAATGCTTGAGTGACG	463	SARS-Cov Nucleocapsid gene
PMSU_00006	CCTCGAGGCCAGGGCGTTCC		SARS-Cov Nucleocapsid gene
PMV_00039	TCACTTGCTTCCGTTGAGGTCGGGGACCAAGACC TAATCAGA	465	SARS-Cov Nucleocapsid gene
PMV_00040	GGTTTCGGATGTTACAGCGTAGCCGCAGGAAGAA GAGTCACAG	466	SARS-Cov Nucleocapsid gene
PMV UUU41	TCACTTGCTTCCGTTGAGGAGGCCAGGGCGTTCC	467	SARS-Cov Nucleocapsid gene

id	sequence (5 º -3 º)	SEQ ID NO:	region
PMV_00042	GGTTTCGGATGTTACAGCGTCAATAGCGCGAGGG CAGTTTC	468	SARS-Cov Nucleocapsid gene
PMV_00043	TCACTTGCTTCCGTTGAGGGGCACCCGCAATCCT AATAACAA	469	SARS-Cov Nucleocapsid gene
PMV_00044	GGTTTCGGATGTTACAGCGTAGCCGCAGGAAGAA GAGTCACAG	<u>470</u>	SARS-Cov Nucleocapsid gene
PMV_00090	TCGGGGACCAAGACCTAATCAGA	471	SARS-Cov Nucleocapsid gene
PMV_00091	AGCCGCAGGAAGAAGAGTCACAG	472	SARS-Cov Nucleocapsid gene
PMV_00092	AGGCCAGGGCGTTCCAATC	473	SARS-Cov Nucleocapsid gene
PMV_00093	CAATAGCGCGAGGGCAGTTTC	474	SARS-Cov Nucleocapsid gene
PMV_00094	GGCACCCGCAATCCTAATAACAA	<u>475</u>	SARS-Cov Nucleocapsid gene
PMV_00095	AGCCGCAGGAAGAAGAGTCACAG	476	SARS-Cov Nucleocapsid gene
PMSL_00001	ACATCACAGCTTCTACACCCGTTAAGGT	477	SARS-Cov Replicase 1A
PMSL_00002	ATACAGAATACATAGATTGCTGTTATCC	478	SARS-Cov Replicase 1A
PMSU_00002	GCATCGTTGACTATGGTGTCCGATTCT	479	SARS-Cov Replicase 1A
PMSU_00003	GCTGCATTGGTTTGTTATATCGTTATGC	480	SARS-Cov Replicase 1A
PMV_00023	TCACTTGCTTCCGTTGAGGAGCCGCTTGTCACAA TGCCAATT	481	SARS-Cov Replicase 1A
PMV_00024	GGTTTCGGATGTTACAGCGTCATCACCAAGCTCG CCAACAGTT	482	SARS-Cov Replicase 1A
PMV_00025	TCACTTGCTTCCGTTGAGGAGGTTGCCATCATTT TGGCATCTT	483	SARS-Cov Replicase 1A
PMV_00026	GGTTTCGGATGTTACAGCGTCTTTGCGCCAGCGA TAGTGACTT	484	SARS-Cov Replicase 1A
PMV_00027	TCACTTGCTTCCGTTGAGGATGGCACCCGTTTCT GCAATGG	485	SARS-Cov Replicase 1A

id	sequence (5°-3°)	SEQ ID NO:	region
PMV_00028	GGTTTCGGATGTTACAGCGTTCGGGCAGCTGACA CGAATGTAGA	<u>486</u>	SARS-Cov Replicase 1A
PMV_00029	TCACTTGCTTCCGTTGAGGGAATGGCGATGTAGT GGCTATTGA	487	SARS-Cov Replicase 1A
PMV_00030	GGTTTCGGATGTTACAGCGTTAATGCCGGCATCC AAACATAAT	488	SARS-Cov Replicase 1A
PMV_00031	TCACTTGCTTCCGTTGAGGTAGCCAGCGTGGTGG TTCATACAA	489	SARS-Cov Replicase 1A
PMV_00032	GGTTTCGGATGTTACAGCGTCTCCCGGCAGAAAG CTGTAAGCT	490	SARS-Cov Replicase 1A
PMV_00033	TCACTTGCTTCCGTTGAGGTATAGAGCCCGTGCT GGTGATGC	491	SARS-Cov Replicase 1A
PMV_00034	GGTTTCGGATGTTACAGCGTATCGCCATTCAAGT CTGGGAAGAA	492	SARS-Cov Replicase 1A
PMV_00035	TCACTTGCTTCCGTTGAGGTGGCTCAGGCCATAC TGGCATTAC	493	SARS-Cov Replicase 1A
PMV_00036	GGTTTCGGATGTTACAGCGTTTTGCGCCAGCGAT AGTGACTTG	494	SARS-Cov Replicase 1A
PMV_00037	TCACTTGCTTCCGTTGAGGTTCCCGTCAGGCAAA GTTGAAGG	<u>495</u>	SARS-Cov Replicase 1A
PMV_00038	GGTTTCGGATGTTACAGCGTGACGGCAATTCCTG TTTGAGCAGA	496	SARS-Cov Replicase 1A
PMV_00074	AGCCGCTTGTCACAATGCCAATT	497	SARS-Cov Replicase 1A
PMV_00075	CATCACCAAGCTCGCCAACAGTT	498	SARS-Cov Replicase 1A
PMV_00076	AGGTTGCCATCATTTTGGCATCTT	499	SARS-Cov Replicase 1A
PMV_00077	CTTTGCGCCAGCGATAGTGACTT	500	SARS-Cov Replicase 1A
PMV_00078	ATGGCACCCGTTTCTGCAATGG	501	SARS-Cov Replicase 1A
PMV_00079	TCGGGCAGCTGACACGAATGTAGA	502	SARS-Cov Replicase 1A
PMV_00080	GAATGGCGATGTAGTGGCTATTGA	503	SARS-Cov Replicase 1A

1ුමු	sequence (5 ° -3 °)	SEQ II NO:	region
PMV_00081	TAATGCCGGCATCCAAACATAAT	<u>504</u>	SARS-Cov Replicase 1A
PMV_00082	TAGCCAGCGTGGTGGTTCATACAA	<u>505</u>	SARS-Cov Replicase 1A
PMV_00083	CTCCCGGCAGAAAGCTGTAAGCT	<u>506</u>	SARS-Cov Replicase 1A
PMV_00084	TATAGAGCCCGTGCTGGTGATGC	<u>507</u>	SARS-Cov Replicase 1A
PMV_00085	ATCGCCATTCAAGTCTGGGAAGAA	<u>508</u>	SARS-Cov Replicase 1A
PMV_00086	TGGCTCAGGCCATACTGGCATTAC	509	SARS-Cov Replicase 1A
PMV_00087	TTTGCGCCAGCGATAGTGACTTG	<u>510</u>	SARS-Cov Replicase 1A
PMV_00088	TTCCCGTCAGGCAAAGTTGAAGG	<u>511</u>	SARS-Cov Replicase 1A
PMV_00089	GACGGCAATTCCTGTTTGAGCAGA	512	SARS-Cov Replicase 1A
PMV_00003	TCACTTGCTTCCGTTGAGGATGAATTACCAAGTC AATGGTTAC	<u>513</u>	SARS-Cov Replicase 1B
PMV_00004	GGTTTCGGATGTTACAGCGTATAACCAGTCGGTA CAGCTAC	<u>514</u>	SARS-Cov Replicase 1B
PMV_00005	TCACTTGCTTCCGTTGAGGGAAGCTATTCGTCAC GTTCG	<u>515</u>	SARS-Cov Replicase 1B
PMV_00006	GGTTTCGGATGTTACAGCGTCTGTAGAAAATCCT AGCTGGAG	<u>516</u>	SARS-Cov Replicase 1B
PMV_00007	TCACTTGCTTCCGTTGAGGCCTCTCTTGTTCTTG CTCGCA	<u>517</u>	SARS-Cov Replicase 1B
PMV_00008	GGTTTCGGATGTTACAGCGTGTGAGCCGCCACAC ATG	<u>518</u>	SARS-Cov Replicase 1B
PMV_00009	TCACTTGCTTCCGTTGAGGCTAACATGCTTAGGA TAATGG	519	SARS-Cov Replicase 1B
PMV_00010	GGTTTCGGATGTTACAGCGTCAGGTAAGCGTAAA ACTCATC	<u>520</u>	SARS-Cov Replicase 1B
PMV_00011	TCACTTGCTTCCGTTGAGGGCCTCTCTTGTTCTT GCTCGC	<u>521</u>	SARS-Cov Replicase 1B

<u>ර</u> ්ල්	sequence (5°-3°)	<u>Seq ID No:</u>	region
PMV_00013	TCACTTGCTTCCGTTGAGGCACCGTTTCTACAGG TTAGCTAACGA	522	SARS-Cov Replicase 1B
PMV_00014	GGTTTCGGATGTTACAGCGTAAATGTTTACGCAG GTAAGCGTAAAA	<u>523</u>	SARS-Cov Replicase 1B
PMV_00015	TCACTTGCTTCCGTTGAGGTACACACCTCAGCGT TG	<u>524</u>	SARS-Cov Replicase 1B
PMV_00016	GGTTTCGGATGTTACAGCGTCACGAACGTGACGA AT	525	SARS-Cov Replicase 1B
PMV_00017	TCACTTGCTTCCGTTGAGGGCTTAGGATAATGGC CTCTC	<u>526</u>	SARS-Cov Replicase 1B
PMV_00018	GGTTTCGGATGTTACAGCGTCCACGAATTCATGA TCAACATCCC	<u>527</u>	SARS-Cov Replicase 1B
PMV_00019	TCACTTGCTTCCGTTGAGGGCTCGCAAACATAAC ACTTGC	<u>528</u>	SARS-Cov Replicase 1B
PMV_00020	GGTTTCGGATGTTACAGCGTGAGACACTCATAGA GCCTGTG	<u>529</u>	SARS-Cov Replicase 1B
PMV_00055	ATGAATTACCAAGTCAATGGTTAC	530	SARS-Cov Replicase 1B
PMV_00056	ATAACCAGTCGGTACAGCTAC	<u>531</u>	SARS-Cov Replicase 1B
PMV_00057	GAAGCTATTCGTCACGTTCG	532	SARS-Cov Replicase 1B
PMV_00058	CTGTAGAAAATCCTAGCTGGAG	533	SARS-Cov Replicase 1B
PMV_00059	CCTCTCTTGTTCTTGCTCGCA	534	SARS-Cov Replicase 1B
PMV_00060	GTGAGCCGCCACACATG	<u>535</u>	SARS-Cov Replicase 1B
PMV_00061	CTAACATGCTTAGGATAATGG	<u>536</u>	SARS-Cov Replicase 1B
PMV_00062	CAGGTAAGCGTAAAACTCATC	<u>537</u>	SARS-Cov Replicase 1B
PMV_00063	GCCTCTCTTGTTCTTGCTCGC	538	SARS-Cov Replicase 1B
PMV_00064	CACCGTTTCTACAGGTTAGCTAACGA	539	SARS-Cov Replicase 1B

16	sequence (5°-3°)	SEQ ID NO:	region
PMV_00065	AAATGTTTACGCAGGTAAGCGTAAAA	<u>540</u>	SARS-Cov Replicase 1B
PMV_00066	TACACACCTCAGCGTTG	<u>541</u>	SARS-Cov Replicase 1B
PMV_00067	CACGAACGTGACGAAT	542	SARS-Cov Replicase 1B
PMV_00068	GCTTAGGATAATGGCCTCTC	<u>543</u>	SARS-Cov Replicase 1B
PMV_00069	CCACGAATTCATGATCAACATCCC	<u>544</u>	SARS-Cov Replicase 1B
PMV_00070	GCTCGCAAACATAACACTTGC	<u>545</u>	SARS-Cov Replicase 1B
PMV_00071	GAGACACTCATAGAGCCTGTG	<u>546</u>	SARS-Cov Replicase 1B
PMSL_00003	CCAGCTCCAATAGGAATGTCGCACTC	<u>547</u>	SARS-Cov Spike glycoprotein gene
PMSL_00004	TCCGCAGATGTACATATTACAATCTACG	<u>548</u>	SARS-Cov Spike glycoprotein gene
PMSU_00005	TTAAATGCACCGGCCACGGTTTG	<u>549</u>	SARS-Cov Spike glycoprotein gene
PMV_000100	ATAGCGCCAGGACAAACTGGTGTT	<u>550</u>	SARS-Cov Spike glycoprotein gene
PMV_000101	TATATGCGCCAAGCTGGTGTGAGT	<u>551</u>	SARS-Cov Spike glycoprotein gene
PMV_000102	CGAGGCGGAGGTACAAATTGACAG	<u>552</u>	SARS-Cov Spike glycoprotein gene
PMV_000103	ATGAAGCCGAGCCAAACATACCAA	<u>553</u>	SARS-Cov Spike glycoprotein gene
PMV_00045	TCACTTGCTTCCGTTGAGGATGCACCGGCCACGG TTTGTG	<u>554</u>	SARS-Cov Spike glycoprotein gene
PMV_00046	GGTTTCGGATGTTACAGCGTATGCGCCAAGCTGG TGTGAGTTGA	<u>555</u>	SARS-Cov Spike glycoprotein gene
PMV_00047	TCACTTGCTTCCGTTGAGGTGCTGGCGCTGCTCT TCAAATACC	<u>556</u>	SARS-Cov Spike glycoprotein gene
PMV_00048	GGTTTCGGATGTTACAGCGTCGGGGCTGCTTGTG GGAAGG	<u>557</u>	SARS-Cov Spike glycoprotein gene

id	sequence(5'-3')	SEQ ID NO:	region
PMV_00049	TCACTTGCTTCCGTTGAGGATAGCGCCAGGACAA ACTGGTGTT	<u>558</u>	SARS-Cov Spike glycoprotein gene
PMV_00050	GGTTTCGGATGTTACAGCGTTATATGCGCCAAGC TGGTGTGAGT	<u>559</u>	SARS-Cov Spike glycoprotein gene
PMV_00051	TCACTTGCTTCCGTTGAGGCGAGGCGGAGGTACA AATTGACAG	<u>560</u>	SARS-Cov Spike glycoprotein gene
PMV_00052	GGTTTCGGATGTTACAGCGTATGAAGCCGAGCCA AACATACCAA	<u>561</u>	SARS-Cov Spike glycoprotein gene
PMV_00096	ATGCACCGGCCACGGTTTGTG	<u>562</u>	SARS-Cov Spike glycoprotein gene
PMV_00097	ATGCGCCAAGCTGGTGTGAGTTGA	<u>563</u>	SARS-Cov Spike glycoprotein gene
PMV_00098	TGCTGGCGCTGCTCTTCAAATACC	<u>564</u>	SARS-Cov Spike glycoprotein gene
PMV_00099	CGGGGCTGCTTGTGGGAAGG	<u>565</u>	SARS-Cov Spike glycoprotein gene

Please replace Table 19, beginning on page 54 and bridging to page 61, with a new Table 19 as follows:

Table 19. Exemplary primers for non-SARS-CoV infectious organism causing SARS-like symptoms

id	Sequence (5' - 3')	SEQ ID NO:	species
		<u>566</u>	
PMIA_00001	TTTGTGCGACAATGCTTCA		Influenza A virus
		<u>567</u>	
PMIA_00002	GACATTTGAGAAAGCTTGCC		Influenza A virus
DMTA 00003	A CCCA CA A CCUNICA A CCUCC	<u> 568</u>	Influenza A virus
PMIA_00003	AGGGACAACCTNGAACCTGG	569	Tilliueliza A virus
PMIA 00004	AGGAGTTGAACCAAGACGCATT	369	Influenza A virus
	1	570	<u> </u>
PMIA_00005	ACCACATTCCCTTATACTGGAG		Influenza A virus
		<u>571</u>	1
PMIA_00006	TTAGTCATCTTTCTCACAACA		Influenza A virus
1	1	<u>572</u>	
PMIA_00007	ACAAATTGCTTCAAATGAGAAC		Influenza A virus
		<u>573</u>	, 1 = -63
PMIA_00008	TGTCTCCGAAGAATAAGATCC		Influenza A virus
DVTD 00000	1 GGGGT GT GT GT GT GT GT GT	574	Tabluara Baringa
PMIA_00009	GCGCAGAGACTTGAAGATGT	[Influenza A virus
PMIA 00010	CCTTCCGTAGAAGGCCCT	<u>575</u>	Influenza A virus

id	Sequence (5' - 3')	SEQ ID NO:	species
		576	
PMIB_00001	CACAATGGCAGAATTTAGTGA		Influenza B virus
PMIB_00002	GTCAGTTTGATCCCGTAGTG	<u>577</u>	Influenza B virus
PMIB_00003	CAGATCCCAGAGTGGACTCA	<u>578</u>	Influenza B virus
PMIB_00004	TGTATTACCCAAGGGTTGTTAC	579	Influenza B virus
PMIB_00005	GATCAGCATGACAGTAACAGGA	580	Influenza B virus
PMIB_00006	ATGTTCGGTAAAAGTCGTTTAT	<u>581</u>	Influenza B virus
PMIB_00007	CCACAGGGGAGATTCCAAAG	<u>582</u>	Influenza B virus
PMIB_00008	GACATTCTTCCTGATTCATAATC	<u>583</u>	Influenza B virus
PMIB_00009	CAAACAACGGTAGACCAATATA	<u>584</u>	Influenza B virus
PMIB 00010	AGGTTCAGTATCTATCACAGTCTT	585	Influenza B virus
PMIB_00011	ATGTCCAACATGGATATTGAC	586	Influenza B virus
PMIB 00012	GCTCTTCCTATAAATCGAATG	587	Influenza B virus
PMIB 00013	TGATCAAGTGATCGGAAGTAG	<u>588</u>	Influenza B virus
<u> </u>	The second secon	<u>589</u>	Influenza B virus
PMIB_00014	GATGGTCTGCTTAATTGGAA	<u>590</u>	
PMIB_00015	ACAGAAGATGGAGAAGGCAA	<u>591</u>	Influenza B virus
PMIB_00016	ATTGTTTCTTTGGCCTGGAT	592	Influenza B virus
PMAd1_00001	TGGCGGTATAGGGGTAACTG	593	Human adenovirus
PMAd1_00002	ATTGCGGTGATGGTTAAAGG		Human adenovirus
PMAd1_00003	TTTTGCCGATCCCACTTATC	594	Human adenovirus
PMAd1_00004	GCAAGTCTACCACGGCATTT	595	Human adenovirus
PMAd2_00001	CTCCGTTATCGCTCCATGTT	<u>596</u>	Human adenovirus
PMAd2_00002	AAGGACTGGTCGTTGGTGTC	<u>597</u>	Human adenovirus
PMAd2_00003	AAATGCCGTGGTAGATTTGC	598	Human adenovirus
PMAd2_00004	GTTGAAGGGGTTGACGTTGT	599	Human adenovirus
PMAd3_00001	. TCCTCTGGATGGCATAGGAC	600	Human adenovirus
	TGTTGGTGTTAGTGGGCAAA	<u>601</u>	Human adenovirus
	TCCTCTGGATGGCATAGGAC		: !

<u> </u> 16	Sequence (5º - 3º)	SEQ ID NOS	apecies
PMAd3_00003	ACATGGTCCTGCAAAGTTCC	602	Human adenovirus
PMAd3_00004	GCATTGTGCCACGTTGTATC	603	Human adenovirus
PMAd4_00001	CGCTTCGGAGTACCTCAGTC	604 605	Human adenovirus
PMAd4_00002	CTGCATCATTGGTGTCAACC	606	Human adenovirus
PMAd4_00003	GGCACCTTTTACCTCAACCA	607	Human adenovirus
PMAd4_00004	TCTGGACCAAGAACCAGTCC	608	Human adenovirus
PMAd5_00001	GGCCTACCCTGCTAACTTCC	609	Human adenovirus
PMAd5_00002	ATAAAGAAGGGTGGGCTCGT	<u>610</u>	Human adenovirus
PMAd5_00003	ATCGCAGTTGAATGCTTTG	611	Human adenovirus
PMAd5_00004 PMAd7 00001	GTTGAAGGGGTTGACGTTGT ACATGGTCCTGCAAAGTTCC	612	Human adenovirus
PMAd7 00002	GATCGAACCCTGATCCAAGA	613	Human adenovirus
PMAd7_00003	AACACCAACCGAAGGAGATG	614	Human adenovirus
PMAd7_00004	CCTATGCCATCCAGAGGAAA	615	Human adenovirus
PMAd11_00001	CAGATGCTCGCCAACTACAA	616	Human adenovirus
PMAd11_00002	AGCCATGTAACCCACAAAGC	617 618	Human adenovirus
PMAd11_00003	ACGGACGTTATGTGCCTTTC	619	Human adenovirus
PMAd11_00004	GGGAATATTGGTTGCATTGG	620	Human adenovirus
-	ACTGGTTCCTGGTCCAGATG	621	Human adenovirus
	AGCCATGTAACCCACAAAGC	<u>622</u>	Human adenovirus
<u> </u>	CTGGATATGGCCAGCACTTT	623	Human adenovirus
	TAATGAAAAGGGCGGACAAG	624	Human adenovirus
PMAd23_00002	GCCAATGTAGTTTGGCCTGT	625	Human adenovirus
PMAd23_00003	AACTCCGCGGTAGACAGCTA	626	Human adenovirus
PMAd23_00004	CGTAGGTGTTGGTG	<u>627</u>	Human adenovirus

id	Sequence (5' - 3')	SEQ ID NO:	species
PMV_a0061	TCACTTGCTTCCGTTGAGGTTGGGGTGATGG GTTTCAGATTAA	<u>628</u>	HCoV-OC43
PMV_a0062	GGTTTCGGATGTTACAGCGTCTCGGGAAGAT CGCCTTCTTCTA	<u>629</u>	HCoV-OC43
PMV_b0061	TTGGGGTGATGGGTTTCAGATTAA	630	HCoV-OC43
PMV_b0062	CTCGGGAAGATCGCCTTCTTCTA	<u>631</u>	HCoV-OC43
PMV_a0053	TCACTTGCTTCCGTTGAGGTTGGGCTGGCGG TTTAGAGTTGA	<u>632</u>	HCoV-229E
PMV_a0054	GGTTTCGGATGTTACAGCGTGTGCGACCGCC CTTGTTTATGG	<u>633</u>	HCoV-229E
PMV_a0055	TCACTTGCTTCCGTTGAGGGCGTTGTTGGCC TTTTTCTTGTCT	<u>634</u>	HCoV-229E
PMV_a0056	GGTTTCGGATGTTACAGCGTGCCCGGCATTA TTTCATTGTTCTG	<u>635</u>	HCoV-229E
PMV_a0057	TCACTTGCTTCCGTTGAGGACAAAAGCCGCT GGTGGTAAAG	<u>636</u>	HCoV-229E
PMV_a0058	GGTTTCGGATGTTACAGCGTCAGAAATCATA ACGGGCAAACTCA	<u>637</u>	HCoV-229E
PMV_a0059	TCACTTGCTTCCGTTGAGGAAGAGTTATTGC TGGCGTTGTTGG	<u>638</u>	HCoV-229E
PMV_a0060	GGTTTCGGATGTTACAGCGTGCCCGGCATTA TTTCATTGTTCTG	<u>639</u>	HCoV-229E
PMV_b0053	TTGGGCTGGCGGTTTAGAGTTGA	640 641	HCoV-229E
PMV_b0054	GTGCGACCGCCTTGTTTATGG	***************************************	HCoV-229E
PMV_b0055	GCGTTGTTGGCCTTTTTCTTGTCT	642 643	HCoV-229E
PMV_b0056	GCCCGGCATTATTTCATTGTTCTG		HCoV-229E
PMV_b0057	ACAAAAGCCGCTGGTGGTAAAG	644	HCoV-229E
PMV_b0058	CAGAAATCATAACGGGCAAACTCA	645	HCoV-229E
PMV_b0059_	AAGAGTTATTGCTGGCGTTGTTGG	<u>646</u> 647	HCoV-229E
PMV_b0060	GCCCGGCATTATTTCATTGTTCTG	<u>047</u>	HCoV-229E
РМНЕ_00001	GGTGGTAACCCCTCGCAGGA	<u>648</u>	Human enteric coronaviruse

id	Sequence (5' - 3')	SEQ ID NO:	species
PMHE_00002	TGGCTCTTCCCTTTGGGCACT	649	Human enteric coronaviruse
РМНЕ_00003	GAGAATGAACCTTATGTCGGCACCTG	650	Human enteric coronaviruse
PMHE_00004	TTCCGCAAGTCTTTCACTTTCTCCAA	<u>651</u>	Human enteric coronaviruse
РМНЕ_00005	CAGCTTTCAGCCAGGGACGTGT	<u>652</u>	Human enteric coronaviruse
РМНЕ_00006	TTTCCAGCTTTTGCGCAGTGGT	<u>653</u>	Human enteric coronaviruse
РМНЕ_00007	TCTGTTTTGGTGCAGGTCAATTTGTG	654	Human enteric coronaviruse
РМНЕ_00008	ATGAACCAGGTCGTAAGCATCCTCAA	655	Human enteric
PMHE_00009	GTTGCTTGTCAACCCCCGTACTGTTA	<u>656</u>	Human enteric coronaviruse
РМНЕ_00010	AGGACACCTGCCATAGGGGTAGAGAG	657	Human enteric coronaviruse
РМНЕ_00011	GGTTGTTGACTCGCGGTGGA	<u>658</u>	Human enteric
РМНЕ_00012	GGGGTAGAGAGGCCAAACACTGC	<u>659</u>	Human enteric coronaviruse
PMRh_00001	ACATGGTCCCATTGGATTGT	660	Human rhinovirus
PMRh_00002	TGAGGAAATCTTTCGCCACT	661 662	Human rhinovirus
PMRh_00003 PMRh 00004	ATGTTGCCCCCTAGTCTGTG TTCTGAAGGTGGTGTTGC	663	Human rhinovirus Human rhinovirus
PMRh_00005	TGGTATTCATGTTGGCGGTA	664	Human rhinovirus
PMRh_00006	ACAGCAGGTTCCTTGTCACC	665 666	Human rhinovirus
PMRh_00007 PMRh_00008	TGACATGCCTGCATTGAGTT	667	Human rhinovirus
PMRh_00009	TCCCAATATGCCCTCTTCAG	668	Human rhinovirus
PMRh_00010	CGCTGATGGGGATTGAGTAT	<u>669</u>	Human rhinovirus

			
id	Sequence (5' - 3')	SEQ ID NO:	species
PMRh_00011	TGTGCTCAGTGTGCTTCCTC	<u>670</u>	Human rhinovirus
PMRh_00012	TGCACCCATGATGACAATCT	<u>671</u>	Human rhinovirus
PMRh_00013	GCAGTTCTTGCCAAAGAAGG	<u>672</u>	Human rhinovirus
PMRh_00014	TGAAGGGTTTTTGGTCCATC	673 674	Human rhinovirus
PMRh_00015	TGCCTGATGCCCTTAAAAAC	675	Human rhinovirus
PMRh_00016	GGGTGTGATTGTACCCGACT	973	Human rhinovirus
PMMP_00001	CTTAACAGTTGTATGCATTGGAAACT	<u>676</u>	Mycoplasma pneumoniae
PMMP_00002	GTTTACGGTGTGGACTACTAGGGTAT	<u>677</u>	Mycoplasma pneumoniae
PMMP_00003	CTATGCTGAGAAGTAGAATAGCCACA	<u>678</u>	Mycoplasma pneumoniae
PMMP_00004	TGGTACAGTCAAACTCTAGCCATTAC	<u>679</u>	Mycoplasma pneumoniae
PMMP_00005	ATACCCTAGTAGTCCACACCGTAAAC	<u>680</u>	Mycoplasma pneumoniae
PMMP_00006	ATGTCAAGTCTAGGTAAGGTTTTTCG	<u>681</u>	Mycoplasma pneumoniae
PMMP_00007	AGGCGAAAACTTAGGCCATT	<u>682</u>	Mycoplasma pneumoniae
PMMP_00008	CCGTCAATTCCGTTTGAGTT	<u>683</u>	Mycoplasma pneumoniae
PMMP_00009	CGACGGTACACGAAAAACCT	<u>684</u>	Mycoplasma pneumoniae
PMMP_00010	TCCCTTCCTCCAATTT	685	Mycoplasma pneumoniae
PMR_00001	ATTCCCATGGAGAAACTCCTAGAT	<u>686</u> 687	Rubella virus
PMR_00002	GTGATCACTGACCTGCATCTG	007	Rubella virus
PMR_00003	GTAAGAGACCACGTCCGATCAAT	<u>688</u>	Rubella virus
PMR 00004	GAGGACGTGTAGGGCTTCTTTAG	689	'Rubella virus
PMR_00005	ATCGGACCTCGCTTAGGACT	<u>690</u>	Rubella virus
PMR_00006	CTGGGTATCACGGCTACGAT	<u>691</u>	Rubella virus

id	Sequence (5' - 3')	SEQ ID NO:	species
PMR 00007	AGAGACCACGTCCGATCAAT	692	Rubella virus
PMR 00008	TGAGGACGTGTAGGGCTTCT	693	Rubella virus
PMR 00009	GTCAACGCCTACTCCTCTGG	<u>694</u>	Rubella virus
PMR_00010	GTCTTGTGAGGGTGCTGGAC	695	Rubella virus
PMM_00001	CACATTGGCATCTGAACTCG	696	Measles virus
PMM_00002	TCTGTTTGACCCTCCTGTCC	<u>697</u>	Measles virus
PMM_00003	AGATTGCAATGCATACTACTGAGGAC	<u>698</u>	Measles virus
PMM_00004	ATGCAGTGTCAATGTCTAGAGGTGT	699	Measles virus
PMM_00005	CAATGCATACTACTGAGGACAGGA	700	Measles virus
PMM_00006	ATGCAGTGTCAATGTCTAGAGGTG	701	Measles virus
PMM_00007	TACCATCAGAGGTCAATTCTCAAA	702	Measles virus
PMM_00008	CTACTTCAAACACTCGGTACATGC	703	Measles virus
PMM_00009	CATGTCGCTGTCTCTGTTAGACTT	704	Measles virus
PMM_00010	CAAGCCTGGATTTCTTATAACACC	705	Measles virus
PMRSV_00001	AAACCAAAGAAGAAACCAACCAT	706	Human respiratory syncytial virus
PMRSV_00002	TGTTCTAATGTGGTTGTCGAG	707	Human respiratory syncytial virus
PMRSV_00003	TGCTAAAAGAGATGGGAGAAGTG	708	Human respiratory
PMRSV_00004	ATCCTTTGGTATGAGACCCTTGT	709	Syncytial virus Human respiratory syncytial virus
PMRSV_00005	ACAAGGGTCTCATACCAAAGGAT	710	Human respiratory syncytial virus
PMRSV_00006	GCTAAAACTCCCCATCTTAGCAT	711	Human respiratory syncytial virus
PMRSV_00007	TTTATGATGCAGCCAAAGCA	712	Human respiratory syncytial virus
PMRSV_00008	TCCATGAAATTCAGGTGCAA	713	Human respiratory

id	Sequence (5' - 3')	SEQ ID NO:	species
PMRSV_00009	AAAAACACCAGCCAAAACGA	714	Human respiratory syncytial virus
PMRSV_00010	CTGTGGGTGTTTGTGTGGAG	715	Human respiratory syncytial virus
PMRSV_00011	CCAAAGCATATGCAGAGCAA	716	Human respiratory syncytial virus
PMRSV_00012	TCCATGAAATTCAGGTGCAA	717	Human respiratory syncytial virus
PMPI_00001	GCATGGAAACTAGCAGCACA	718	Parainfluenza
PMPI_00002	GGTGTTGTGGTCTTCGAGGT	719 720	Parainfluenza
PMPI_00003	GGCTCCATAGTATCATCGACAAC	721	Parainfluenza
PMPI_00004 PMPI 00005	CCTAGAGGCCCTGTGTATACCTT ACACAACAACAATGCAAACAAC	722	Parainfluenza Parainfluenza
PMPI_00006	TTAACATGCGCTTAGCAAATACA	723	Parainfluenza
PMPI_00007	TTAGCTCACTCATTGGACACAGA	724 725	Parainfluenza
PMPI_00008	GTCTCTCGTTTTGACAATGAACC	726	Parainfluenza Parainfluenza
PMPI_00009 PMPI_00010	TCTCACTACAAACGGTGTCAATG	727	Parainfluenza
PMPI_00011	ACAGATGGGTTCATTGTCAAAAC	728 729	Parainfluenza
PMPI_00012	GCTTTGACCAACACTATCCAAAC	730	Parainfluenza
PMPI 00013 PMPI 00014	ACAGCTCTCCATTTCATGGTTTA	731	Parainfluenza Parainfluenza
PMPI_00015	ATATGCATTTGTCAATGGAGGAG	732	Parainfluenza
PMPI_00016	CATTTGGTGTGTAAAATGCAAGA	733	Parainfluenza
PMPI_00017	CACAGAACACAAGA	735	Parainfluenza
PMPI_00018 PMME_00001	TTGGGACTGTTAACCAATACACC CATCCCAAAAATTGCCAGAT	736	Parainfluenza Human metapneumovirus

id	Sequence (5° - 3°)	SEQ ID NO:	species
PMME_00002	TTTGGGCTTTGCCTTAAATG	737	Human metapneumovirus
PMME_00003	ACACCCTCATCATTGCAACA	<u>738</u>	Human metapneumovirus
PMME_00004	GCCCTTCTGACTGTGGTCTC	<u>739</u>	Human metapneumovirus
PMME_00005	CGACACAGCAGCAGGAATTA	740	Human metapneumovirus
PMME_00006	TCAAAGCTGCTTGACACTGG	741	Human metapneumovirus

Please replace Table 20, beginning on page 61 and bridging to page 66, with a new Table 20 as follows:

Table 20. Exemplary primers for non-SARS-CoV infectious organism damaging the subject's immune system

A 36.		the subjects initially system		
	<u>f</u> ld	seguence (5º - 3º)	SEQ ID NOS	නිවලෝමයි
			742	
PMTTV_	_00001	TGGGGCCAGACTTCGCCATA		TTV
DAMENTA	00000		743	
PMTTV	_00002	AGCTTCCGCCGAGGATGACC		TTV
PMTTV	00003	CTTGGGGGCTCAACGCCTTC	744	TTV
			745	1
PMTTV	_00004	GCGAAGTCTGGCCCCACTCA		TTV
PMTTV	00005	CCACAGGCCAACCGAATGCT	746	TTV
-			747	110
PMTTV_	_00006	AGCCCGAATTGCCCCTTGAC	747	TTV
			748	
PMTTV_	_00007	AGCGAATCCTGGGAGTCAAACTCAG		TTV
			749	
PMTTV_	_00008	GGCCTCGTACTCCTCTTTCCAGTCA	:	TTV
į			<u>750</u>	
PMTTV_	_00009	GCCCCTTTGCATACCACTCAGACAT		TTV
			751	
PMTTV_	00010	TGGAATGTGAGTTCCGGTGAGTTGT		TTV
			<u>752</u>	į
PMTTV_	00011	TGTCAGTAACAGGGGTCGCCATAGA		TTV
	00010		<u>753</u>	
PMTTV_	00012	TGTGACGTATGGACGACCTTTGACC		TTV
i IDMU 11	047		<u>754</u>	TTV
PMV_11	LU4 /	CACAGACAGAGGAAAGGCAAC	· · · · · · · · · · · · · · · ·	1 1 V
FMV_11	1048	AATAGGCACATTACTACTACCTCCTG	<u>755</u>	TTV

	1 v		
id	sequence(5'- 3')	SEQ ID NO:	species
PMTP_00001	GCGGTCGGTAGGAGGATAAAGGAAA	<u>756</u>	TP
PMTP_00002	CCGGGGATTTGTCTACAGGGTTTCT	<u>757</u>	TP
PMTP_00003	CAGACGCTCATCCAACTCCTGAGAA	758	TP
PMTP_00004	CCGTTGTACCGTCTTTTTGGACGTT	759	TP
PMTP_00005	CACGCTCTACCTCATTCGAGAGCAA	760	TP
PMTP_00006	GTTGTGTTGCAACGAACACGCTACA	761	TP
PMTP_00007	AGCGGTCGGTAGGAGGATAAAGGAA	762	TP
PMTP_00008	ACCGGGGATTTGTCTACAGGGTTTC	763	TP
PMV_11025	AACACGATCCGCTACGACTACTAC	764	TP
PMV_11026	CCCTATACCCGTTCGCAATCAAAG	765	TP
PMHIV1_00001	ATGGGCGCAGCCTCAATGAC	766	HIV1
PMHIV1_00002	CCCCAAATCCCCAGGAGCTG	767	HIV1
PMHIV1_00003	GGGACAGCTACAACCATCCCTTCAG	768	HIV1
PMHIV1_00004	GACCTGATTGCTGTGTCCTGTGTCA	769	HIV1
PMHIV1_00005	GGGATGGAAAGGATCACCAGCAATA	770 771	HIV1
PMHIV1_00006	GTCTGGTGTGGTAAGTCCCCACCTC		HIV1
PMHIV1_00007	AAGGATCAACAGCTCCTGGGGATTT	772	HIV1
PMHIV1_00008	TTCTTGCTGGTTTTGCGATTCTTCA		HIV1
PMV_11055	TAATCCACCTATCCCAGTAGGAGAAAT	774	HIV1
PMV_11056	GGTCCTTGTCTTATGTCCAGAATGC	775	HIV1
PMV_11057	TGGGAAGTTCAATTAGGAATACCAC	777	HIV1
PMV_11058	TCCTACATACAAATCATCCATGTATTG	777	HIV1
PMHGV_00001	GCCGGCGATGACTGCTTGAT	778	HGV
PMHGV_00002	TCCGGAAGTCCGTGGTCAGG		HGV
PMHGV_00003	ACGGTGGGAGTCGCGTTGAC	. <u>780</u> 781	HGV
PMHGV_00004	GGCCACGCAAACCAACAAGG	. 701	HGV

id	sequence(5'- 3')	SEQ ID NO:	species
		782	-
PMHGV_00005	CGGCCAAAAGGTGGTGGATG	:	HGV
PMHGV 00006	CCCCCTCCCTTTT A CCA CCA	<u>783</u>	HCV
	CGGGCTCGGTTTAACGACGA	784	HGV
PMHGV_00007	GCCACGGCCAAAATCAGTGG		HGV
PMHGV 00008	TGTCGCGATCCGATGATCCA	! <u>785</u>	HGV
		<u>786</u>	
PMHGV_00009	CGCGTGTGAGCTAAAGTGGGAAAGT	787	HGV
PMHGV_00010	ATCGTCACCAACAGGAAGACCATGA	787	HGV
DMIGH 00011		<u>788</u>	
PMHGV_00011	TCGCTCTCGGGTTGGTTTTGTATTC	789	HGV
PMHGV_00012	CATCCACCTTAGGCTCCCTGTTGAC	1	HGV
PMV 11045	GGGTTGGTAGGTCGTAAATCCC	<u>790</u>	HGV
11045	oddiiddiaddicdiaaniece	791	1100
PMV_11046	GTACGTGGGCGTCGTTTGC		HGV
PMV 11001	CCTTTCCACCATCCAGCAGT	<u>792</u>	HEV
		793	
PMV_11002	CGAGCTTTACCCACCTTCAGC	704	HEV
PMHEV 00001	CTGGCGGTGGGCTCTGTCAT	794	HEV
		795	
PMHEV_00002	ACCGAGGCGGGAGCAAGTCT	796	HEV
PMHEV_00003	ACGGGCGGATCGATTGTGAG	; <u>750</u>	HEV
DMILETY 00004	CCCA CCCA CA MA CCCCA CCM	797	11017
PMHEV_00004	GGCAGCGACATAGCGCACCT	798	HEV
PMHEV_00005	AGCTCACCACCACGGCTGCT		HEV
PMHEV 00006	CTGAGACGACGGGGGGAGAG	799	HEV
	CIGAGACGACGGGGGGAGAG	800	110 4
PMHEV_00007	ATCGCGCCCCTTTTCTGTCC		HEV
PMHEV 00008	GGGGGCGACCATCAAGTGTG	801	HEV
77	1	802	 :
PMHDV_00001	GACGGCCGGCTGTTCTTCT	. 803	HDV
PMHDV_00002	GACTCCGGGCCTGGGAAGAG	603	HDV
DAMPY COCC	LOTTO CONTROL OF THE	804	
PMHDV_00003	ACTCCGGCCGAAAGGTCGAG	805	HDV
PMHDV_00004	GGCGGAACACCCACCGACTA	. <u></u>	HDV
PMHDV 00005	CCATGACTCTGGAGACATCCTGGAA	806	HDV
1	JOHN GROUND CONTROL OF THE CONTROL O	807	
PMHDV_00006	CGTCAGAGCTCTCTGTTCGCTGAAG		HDV

id	sequence (5º - 3º)	SEQ ID NO:	species
PMHDV_00007	CCTTCTCGTCTTCCTCGGTCAAC	. 808	HDV
PMHDV_00008	CCGAACGGACCAGATGGAGATAGAC	809	HDV
PMHDV_00009	GCTCCCGAGAGGGATAAAACGGTAA	810	HDV
PMHDV_00010	GAGTGCTCTCCAAACTTGGCAGTTG	811	HDV
PMHDV_00011	TCTCGTCTTCCTCGGTCAACCTCTT	812	HDV
PMHDV_00012	CCGAACGGACCAGATGGAGATAGAC	813	HDV
PMV_11041	AACATTCCGAAGGGGACCGT	814	HDV
PMV_11042	GGCATCCGAAGGAGGACG	815	HDV
PMHCV_00001	GGCGCTGGAAAGAGGGTCTACTACC	816	нсу
PMHCV_00002	TGTTCAAGCTGATCCCTGGCTATGA	817	HCV
PMHCV_00003	ACATCTGGGACTGGATATGCGAGGT	818	HCV
PMHCV_00004	ATCCTCATCGTCCCGTTTTTGACAT	819	HCV
PMHCV_00005	TGTGCCAGGACCATCTTGAATTTTG	820	HCV
PMHCV_00006	AGGCGGATCAAACACTTCCACATCT	821	HCV
PMHCV_00007	GGGGTGCAAATGATACGGATGTCTT	822	HCV
PMHCV_00008	AGAGTATGTGGCTTCCGGATGCTTG	823	HCV
PMHCV_00009	ACACGCCGTGGGCCTATTCA	824	HCV
PMHCV_00010	GCCGGGACCTTGGTGCTCTT	825	HCV
PMHCV_00011	CACGCCGTGGGCCTATTCAG	826	нси
PMHCV_00012	GCCGGGACCTTGGTGCTCTT	827	нси
PMV_11039	CTCGCAAGCACCCTATCAGGCAGT	828	нси
PMV_11040	GCAGAAAGCGTCTAGCCATGGCGT	829	HCV
PMHCMV_00001	GCGCCTGCTCGAAATGT	830	HCMV
PMHCMV_00002	GTCGCGGCTGTTGCGGTAGT	<u>831</u>	нсму
PMHCMV_00003	CCCCACGTCCATCTGCGTCT	832	нсму
PMHCMV_00004	GCCCCAGCAGTCTCACCAG	<u>833</u>	нсми

1.6	sequence (5° - 3°)	SEQ ID NO:	species
PMHCMV_00005	GCTCACGCACCCTGGAGGAC	<u>834</u>	HCMV
PMHCMV_00006	AGTTCCAGCCCACGCACCAG	835	HCMV
PMHCMV_00007	GTGCAGTTTAGGTGGCAGTTCATGC	<u>836</u>	HCMV
PMHCMV_00008	GGAAAGGGGAGGTAGAAACGTGAG	<u>837</u>	HCMV
PMHCMV_00009	TGTGATTGCGTGTGCAGTTTAGGTG	838	нсму
PMHCMV_00010	GGGGAGGGTAGAAACGTGAGTCTCC	839	HCMV
PMV_11051	ATTCCAAGCGGCCTCTGATAA	840	HCMV
PMV_11052	TCTTCCTCTGGGGCAACTTCC	841	HCMV
PMHBV_00001	TCGCAGTCCCCAACCTCCAA	842	HBV
PMHBV_00002	CAGGGTCCCGTGCTGGTTGT	843	нву
PMHBV_00003	GCAGCCGGTCTGGAGCAAAA	844	HBV
PMHBV_00004	GCAGACGGAGAAGGGGACGA	845	нви
PMHBV_00005	CGCCTCATTTTGCGGGTCAC.	846	HBV
PMHBV_00006	TGGTTGGCTTGTGGCCAGTG	847	нву
PMHBV_00007	ATCAAGGTATGTTGCCCGTTTGTCC	848	нву
PMHBV_00008	AGGCCCACTCCCATAGGTATTTTGC	849	нву
PMHBV_00009	CCTAGGACCCCTGCTCGTGTTACAG	850	нву
PMHBV_00010	GCGATAACCAGGACAAATTGGAGGA	851	HBV
PMHBV_00011	CTGCGCACCATTATCATGCAACTTT	<u>852</u>	нву
PMHBV_00012	AGTAGATCCCGGACGGAAGGAAAGA	853	HBV
PMV_11037	GTTCAAGCCTCCAAGCTGTG	<u>854</u>	HBV
PMV_11038	TCAGAAGGCAAAAAAGAGAGTAACT	855	НВV
PMHAV_00001	GATGTTTGGGACGTCACCTT	<u>856</u>	VАН
PMHAV_00002	CTGGATGAGAGCCAGTCCTC	<u>857</u>	HAV
PMHAV_00003	ATTGCATTGGCAACCAAAAT	858	НАV
PMHAV_00004	ATCTCATTGGGCATCCTGAC	<u>859</u>	HAV

id	sequence(5'-3')	SEQ ID NO:	species
PMHAV_00005	GACTGGAGGTTGGGAAACAA	<u>860</u>	HAV
PMHAV_00006	AGCAGCCAGAGAGAATCCAA	861	HAV
PMHAV 00007	TAAGCATTTTTCCCGCAAAG	862	HAV
PMHAV 00008	AGGCATTCATGACCCATCTC	<u>863</u>	HAV
PMHAV_00009	CCAACCAAATATCATTCAGGTAGAC	864	HAV
PMHAV 00010	GACTTCGTGTACCTATTCACTCGAT	865	HAV
PMHAV_00011	GGGTTTCCTTATGTTCAAGAAAAAT	<u>866</u>	HAV
PMHAV 00012	CCAAAACTTTCTCTAATGGTCTCAA	<u>867</u>	HAV
PMV 11035	TTTTGCTCCTCTTTACCATGCTATG	868	HAV
PMV 11036	GGAAATGTCTCAGGTACTTTCTTTG	<u>869</u>	HAV
PMEBV 00001	AACCCAATAGCATGACAGCCAATCC	<u>870</u>	·EBV
PMEBV 00002	TCAGCCCCAGAGACACGGTATATGA	871	EBV
PMEBV 00003	TGAACCTGGGACCTATTGATGCAGA	872	EBV
PMEBV 00004	CAGGGGAATCTCTGCCAACTTTGAG	873	EBV
 PMEBV 00005	TGCACAGTGACAGTGGGAGAAACAC	<u>874</u>	EBV
PMEBV 00006	AAGAATGGAAAGGGTTGGCAGTGTG	<u>875</u>	EBV
	GTGCACAGTGACAGTGGGAGAAACA	<u>876</u>	EBV
- PMEBV 00008	AAGAATGGAAAGGGTTGGCAGTGTG	877	EBV
PMV 11053	CCCACGCGCGCATAATG	878	EBV
PMV 11054	TTCACTTCGGTCTCCCCTAG	<u>879</u>	EBV
PMB19_00001	TGGGCCGCCAAGTACAGGAA	880	B19
PMB19_00002	GGGTTGCCCGCCTAAAATGG	881	B19
PMB19_00003	CCCTATTAGTGGGGCAGCATGTGTT	882	B19
PMB19_00004	CCACCAAGCTTTTCCCTGCTACATC	883	B19
PMB19_00005	CAGTGTCACAGCCATACCACCACTG	884	B19
PMB19_00006	TGCTGGGTTCCTTTATTGGGGAAAT	885	B19

id	sequence(5'- 3')	SEQ ID NO:	species
		886	
PMB19_00007	CCCATTGCATTAATGTAGGGGCTTG		B19
		887	• · · · · · · · · · · · · · · · · · · ·
PMB19_00008	ATCACTTTCCCACCATTTGCCACTT		B19
		888	
PMV_11049	CCTTTCCACCATCCAGCAGT		B19
The second secon		889	
PMV_11050	CGAGCTTTACCCACCTTCAGC		B19

Please replace Table 21, beginning on page 66 and bridging to page 68, with a new Table 21 as follows:

Table 21. Exemplary primers for non-SARS-CoV coronaviridae virus

seqid	sequence(5'-3')	SEQ ID NO:
PMIBV 00001	GGAACAGGACCTGCCGCTGA	<u>890</u>
PMIBV 00002	ATCAGGTCCGCCATCCGAGA	891
PMIBV_00003	AAAGGTGGAAGAAAACCAGTCCCAGA	892
PMIBV_00004	GCCATCCGAGAATCGTAGTGGGTATT	<u>893</u>
PMMHV_00001	CAGCGCCAGCCTGCCTCTAC	894
PMMHV 00002	TGCTGCACTGGGCACTGCTT	<u>895</u>
PMMHV_00003	GGAAATTACCGACTGCCCTCAAACA	<u>896</u>
PMMHV 00004	TGATTATTTGGTCCACGCTCGGTTT	<u>897</u>
PMEQ 00001	TCCCGCGCATCCAGTAGAGC	898
PMEQ 00002	CTGCGGCTTTGTGGCATCCT	<u>899</u>
PMEQ_00003	TTTGCTGAAGGACAAGGTGTGCCTA	900
PMEQ_00004	CCAGAAGACTCCGTCAATGTTGGTG	901
PMCA 00001	AAAAACGTGGTCGTTCCAATTCTCG	902
PMCA_00002	CCATGCGATAGCGGCTTTGTCTATT	903
PMCA 00003	TGGGAACGGTGCCAAGCATT	904
PMCA_00004	GCCACCTCTGATGGACGAGCA	905
PMFE_00001	CGCGTCAACTGGGGAGATGAA	<u>906</u>
PMFE_00002	GCGCGCCTGTCTGTTCCAAT	907
PMFE 00003	GAGTCTTCTGGGTTGCAAAGGATGG	908

r	
sequence(5'-3')	SEQ ID NO:
CCCCTGGATTGAGACCTGTTTCTTG	909
GCAGCATTGCTCTTTGGTGGTAATG	910
TGCTGAATGGTTTCACGCTTGTTCT	911
CCGCAAACGGGTGCCATTAT	912
TCGCCGTGAGGTCCTGTTCC	913
TCGCTCCAATTCCCGTGGTC	914
ACGTTGGCCCTTCACCATGC	915
CAAGCATTACCCACAATTGGCTGAA	916
TTCTTTTGCCACTTCTGATGGACGA	917
TTCCTTTAAAACAGCCGATGGCAAC	918
TCGGAATAGCCTCATCGCTACTTGG	919
TTCCGCCTGGCACGGTACTC	920
TGGCTTAGCGGCATCCTTGC	921
CACCATGGCCTCAGCCTTGA	922
GTGCCGCCAACCTGCCAGTA	923
GGTCTTGGCACTGTGGATGATT	924
GAAAAAGGGACAGCTACAGCGGATG	925
CCCAATCAGAATTTTGGAGGCTCTG	926
AGCGAATTGCACCTGAATACTGCAA	927
TGACCAAACCGAGCGTGCAG	928
CAGTGGCGGGGATTCCATTG	929
AGCGTCAACTGCTGCCACGA	930
AGTACCGTGCCAGGCGGAAA	931
AAGGTGTGCCTATTGCACCAGGAGT	932
ACTAGCGACCCAGAAGACTCCGTCA	933
AGAAGACCACTTGGGCTGACCAAAC	934
TTGGCAATAGGCACTCCTTGTCCTT	935
GCGCCAGCCTGCCTCTATTG	936
TGGGGCCCCTCTTTCCAAAA	937
	CCCCTGGATTGAGACCTGTTTCTTG GCAGCATTGCTCTTTGGTGGTAATG TGCTGAATGGTTCACGCTTGTTCT CCGCAAACGGGTGCCATTAT TCGCCGTGAGGTCCTGTTCC TCGCTCCAATTCCCGTGGTC ACGTTGGCCCTTCACCATGC CAAGCATTACCCACAATTGGCTGAA TTCTTTTGCCACTTCTGATGGACGA TTCCTTTAAAACAGCCGATGGCAAC TCGGAATAGCCTCATCGCTACTTGG TTCCGCTGGCACGGTACTC CACCATGGCCTCAGCCTTGA GTGCCGCCAACCTGCCAGTA GGTCTTGGCACTGCCAGTA GGTCTTGGCACTGCCAGTA GAAAAAGGGACACTGCCAGTA CCCAATCAGAATTTTGGAGGCTCTG AGCGAATTGCACCTGAATACTGCAA TGACCAAACCGAGCGTGCAG CAGTGGCGGGGATCCATCG AGCGTCAACTGCCACGAA AGCGTCAACTGCCACGAA AAGGTGTGCCTATTGCACCAGAAC AGAACCGAGCGGAAA AAGGTGTGCCTATTGCACCAGGAGT ACTAGCGACCCAGAAGACTCCCGTCA AGAAACCAACCGTGCCAGAAC TTGGCAATAGGCACTCCTTTTG CCGCCAGCCTGCCTTGTCCTT GCGCCAGCCTGCCTTTTTG

segid	seguence (5°-3°)	SEQ ID NO8
PMTK 00001	ATGGCTCACCGCCGGTATTG	<u>938</u>
PMTK 00002	TGGGCGTCACTCTGCTTCCA	939
PMTK_00003	GCTAAGGCTGATGAAATGGCTCACC	940
PMTK 00004	TCCAAAAAGACAAGCATGGCTGCTA	941
PMSDAV_00001	TCTATGTTGAAGGCTCGGGAAGGTC	942
PMSDAV_00002	TACTTGCTTAGGCTGTCCGGCATCT	943
PMSDAV 00003	AGCAGTGCCCAGTGCAGCAG	944
PMSDAV 00004	TGGGTTCATCAACGCCACCA	945